

**Flood Control Project Maintenance
Levee Inspections**

Fall 2019 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

RD0070	Overall LMA Rating	Total LMA Miles	* Overall LMA Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall LMA Rating is M instead of A.					
Reclamation District No. 0070 Meridian	M *	23.41						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.26		0.26	1.11%	0.01			
Trim / Thin Trees	0.02		0.02	0.09%				
Encroachments	0.03		0.03	0.13%	2.52	0.02		
Animal Control	0.11	0.08	0.43	1.84%				
Slope Stability	0.02	0.10	0.42	1.79%				
Crown Surface / Depressions / Rutting	0.03		0.03	0.13%				
<i>Supplemental</i>								
DRAFT DWR UCIP Field Study					0.57	0.01		
<i>LMA Totals:</i>	0.47	0.18	1.19	5.08% *	3.10	0.03	0.00	0.00
Unit No. 01 Sutter Bypass RB	Overall Unit Rating	Total Unit Miles	* Overall Unit Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall Unit Rating is M instead of A.					
RD0070	M *	7.92						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Encroachments	0.01		0.01	0.13%	0.02			
Animal Control	0.01	0.01	0.05	0.63%				
Slope Stability	0.02		0.02	0.25%				
Crown Surface / Depressions / Rutting	0.02		0.02	0.25%				
<i>Supplemental</i>								
DRAFT DWR UCIP Field Study					0.20			
<i>Unit Totals:</i>	0.06	0.01	0.10	1.26% *	0.22	0.00	0.00	0.00
Unit No. 02 Sacramento River LB	Overall Unit Rating	Total Unit Miles	* Overall Unit Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall Unit Rating is M instead of A.					
RD0070	M *	15.50						
Rated Item	Maintenance Deficiency				Enforcement		Design & System Obsolescence	
	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles
<i>Earthen Levee</i>								
Vegetation	0.26		0.26	1.68%	0.01			
Trim / Thin Trees	0.02		0.02	0.13%				
Encroachments	0.02		0.02	0.13%	2.50	0.02		
Animal Control	0.10	0.07	0.38	2.45%				
Slope Stability		0.10	0.40	2.58%				
Crown Surface / Depressions / Rutting	0.01		0.01	0.07%				
<i>Supplemental</i>								
DRAFT DWR UCIP Field Study					0.37	0.01		
<i>Unit Totals:</i>	0.41	0.17	1.09	7.03% *	2.88	0.03	0.00	0.00

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2019 Levee Inspection Results

Reclamation District No. 0070 Meridian

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
† Overall LMA Rating (Fall Only)			M *	

** Non-receipt of Summer or Winter Inspection
Reports may effect overall annual rating.

* Overall LMA Threshold Percent is less than
10.00%; however, U Rated Miles are present,
so the Overall LMA Rating is M instead of A.

† SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2019 Levee Inspection Results

Reclamation District No. 0070 Meridian

Waterway			Bank	Unit Miles
Unit No. 01 Sutter Bypass			Right	7.92
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			M *	
Date of Inspection	4/2/2019 - 4/2/2019		10/9/2019 - 10/9/2019	
DWR Inspector	Makar Sokol		Makar Sokol	
Accompanied By	Andy Duffey			
	Mike Engelmann			

* Overall LMA Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall LMA Rating is M instead of A.

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- completion of the inspection
- any changes other than the results of normal maintenance
- corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	10/09/2019 10/09/2019	Makar Sokol

LM Start		Rating **	A	Issue No.	12
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Operations & Maintenance Manuals			°	°
DWR ID	DWR_RD0070_01_f_2015_12				
Comment Code					
Inspector Comment					
The LMA has the O&M manuals.					

No Photos

LM Start		Rating **	A	Issue No.	13
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Emergency Supplies & Equipment			°	°
DWR ID	DWR_RD0070_01_s_2013_13				
Comment Code					
Inspector Comment					
The LMA has adequate flood fight supplies and equipment.					

No Photos

LM Start		Rating **	A	Issue No.	14
LM End		Issue Type +	Ma	Location *	
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Flood Preparedness & Training			°	°
DWR ID	DWR_RD0070_01_s_2013_14				
Comment Code					
Inspector Comment					
The LMA completed flood fight training in 2018.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	10/09/2019 10/09/2019	Makar Sokol

LM Start	0.16	Rating **	A	Issue No.	25
LM End	0.16	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.138687°	39.138687°
				-121.836578°	-121.836578°
DWR ID	DWR_RD0070_01_f_2019_25				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					
Good vegetation control is implemented on the landside and waterside slopes.					

Photo 1 of 1 : FA_2019_RD0070_29_25_20191011_00071.jpg



View of good vegetation control on the landside slope. Fall 2019.

LM Start	0.42	Rating **	M	Issue No.	48
LM End	0.42	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.141519 °	39.141519 °
				-121.839585 °	-121.839585 °
DWR ID	21347				
Comment Code					
Inspector Comment					
DS_ID:21347 FS_ID:23463 EP_NO: 3804 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to confirm if the indicators that were found in the field correspond to this crossing. Will need to contact PG&E to confirm location of crossing. Photos will need to be updated if the photos attach do not correspond to this crossing. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0304 for 12 inch gas pipe. Coordinates between DWR UCIP and USACE PI are approximately 630 feet apart. FIELD_STRUCT_DESC: 12-inch coated steel natural gas pipeline through the levee, 3.6 feet below the crown. Concrete cutoff wall around the pipe at the center of the levee. Marker sign on the waterside (WS) shoulder. Rock revetment on the WS slope. (Plans for installation of a 12-inch gas collecting line through the levee authorized under Permit No. 3804, 1961 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log, 2007]. FS Date: 10/21/2013					

Photo 1 of 3 : UCIP_FA_2019_23463_40622.jpg



View of waterward side--no markers visible.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	10/09/2019 10/09/2019	Makar Sokol

LM Start	0.42	Rating **	M	Issue No.	48 (cont)
LM End	0.42	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.141519 °	39.141519 °
				-121.839585 °	-121.839585 °
DWR ID	21347				
Comment Code					
Inspector Comment					
DS_ID:21347 FS_ID:23463 EP_NO: 3804 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to confirm if the indicators that were found in the field correspond to this crossing. Will need to contact PG&E to confirm location of crossing. Photos will need to be updated if the photos attach do not correspond to this crossing. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0304 for 12 inch gas pipe. Coordinates between DWR UCIP and USACE PI are approximately 630 feet apart. FIELD_STRUCT_DESC: 12-inch coated steel natural gas pipeline through the levee, 3.6 feet below the crown. Concrete cutoff wall around the pipe at the center of the levee. Marker sign on the waterside (WS) shoulder. Rock revetment on the WS slope. (Plans for installation of a 12-inch gas collecting line through the levee authorized under Permit No. 3804, 1961 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log, 2007]. FS Date: 10/21/2013					

LM Start	0.42	Rating **	M	Issue No.	48 (cont)
LM End	0.42	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_23463_40621.jpg



View of landward side where gas line markers are visible approximately 900 feet from levee.

Photo 3 of 3 : UCIP_FA_2019_23463_40620.jpg



View of gas line markers approximately 900 feet away.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	10/09/2019 10/09/2019	Makar Sokol

LM Start	0.55	Rating **	M	Issue No.	49	
LM End	0.55	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			39.142565 °		39.142565 °
				-121.841600 °		-121.841600 °
DWR ID	21348					
Comment Code						
Inspector Comment						
DS_ID:21348						
FS_ID:23227						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Not Found						
UCIP Comments: Need to contact PG&E to confirm that crossing was completely removed.						
FIELD_STRUCT_DESC: 16-inch steel natural gas pipeline through the levee, 2.5 feet below the crown. (Plans to remove an existing 16-inch pipe and install an 8-inch natural gas pipe to existing pipe within the 10-foot landside (LS) limits of the levee authorized under Permit No. 15936, 1992 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log, 2007].						
FS Date: 10/21/2013						

No Photos

LM Start	0.55	Rating **	M	Issue No.	50
LM End	0.55	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.142565 °	39.142565 °
				-121.841600 °	-121.841600 °
DWR ID	21349				
Comment Code					
Inspector Comment					
DS_ID:21349					
FS_ID:23228					
EP_NO: 4994					
Repair Type: Non-Urgent					
Crossing Status: Not Found					
UCIP Comments: Need to contact PG&E to determine fate of crossing-active or inactive.					
FIELD_STRUCT_DESC: 12-inch coated steel high-pressure natural gas pipeline through the levee, 2.5 feet below the crown. Concrete cutoff wall around the pipe between the center of the levee and the waterside (WS) shoulder. Marker signs at each shoulder. (Plans to install, use, and maintain a 12-inch gas line authorized under Permit No. 4994, 1965 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log, 2007].					
FS Date: 10/21/2013					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	10/09/2019 10/09/2019	Makar Sokol

LM Start	0.55	Rating **	M	Issue No.	51	
LM End	0.55	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.142565 °	39.142565 °	
				-121.841600 °	-121.841600 °	
DWR ID	21415					
Comment Code						
Inspector Comment						
DS_ID:21415 FS_ID:23384 EP_NO: 15936 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: No markers visible on levee slope or levee toe to indicate line crosses levee. Need to contact PG&E to confirm location through levee. Also need to confirm the emergency contact person for this crossing. FIELD_STRUCT_DESC: 8-inch steel natural gas pipeline through the levee, 2.5 feet below the crown. Gas line markers on the landside (LS). (Plans to remove an existing 16-inch pipe and install an 8-inch natural gas pipe to existing pipe within the 10-foot LS limits of the levee authorized under Permit No. 15936, 1992 - Pacific Gas and Electric Company [PG&E]). FS Date: 10/21/2013						

LM Start	0.55	Rating **	M	Issue No.	51 (cont)
LM End	0.55	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_23384_40249.jpg



View of markers on the east side of S. Tarke Road.

Photo 2 of 3 : UCIP_FA_2019_23384_40247.jpg



View of markers on the west side of S. Tarke Road.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	10/09/2019 10/09/2019	Makar Sokol

LM Start	0.55	Rating **	M	Issue No.	51 (cont)	
LM End	0.55	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.142565 °	39.142565 °	
				-121.841600 °	-121.841600 °	
DWR ID	21415					
Comment Code						
Inspector Comment						
DS_ID:21415 FS_ID:23384 EP_NO: 15936 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: No markers visible on levee slope or levee toe to indicate line crosses levee. Need to contact PG&E to confirm location through levee. Also need to confirm the emergency contact person for this crossing. FIELD_STRUCT_DESC: 8-inch steel natural gas pipeline through the levee, 2.5 feet below the crown. Gas line markers on the landside (LS). (Plans to remove an existing 16-inch pipe and install an 8-inch natural gas pipe to existing pipe within the 10-foot LS limits of the levee authorized under Permit No. 15936, 1992 - Pacific Gas and Electric Company [PG&E]). FS Date: 10/21/2013						

Photo 3 of 3 : UCIP_FA_2019_23384_40248.jpg



delete

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	10/09/2019 10/09/2019	Makar Sokol

LM Start	0.57	Rating **	M	Issue No.	52
LM End	0.57	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		39.142682 °	39.142682 °	
			-121.841913 °	-121.841913 °	
DWR ID	21351				

Comment Code

Inspector Comment

DS_ID:21351

FS_ID:23503

EP_NO: 3686

Repair Type: Non-Urgent

Crossing Status: Found

UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Unable to find the gate valve on landward side. Walkway on waterward side in bad shape. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0300 for 18 inch pipe. Pipe on LS is 10 inch not 18 inch. SEE UCIP DS_ID 21350 for details pertaining to 18 inch pipe.

FIELD_STRUCT_DESC: 10-inch irrigation discharge pipe of an unknown material through the levee, 14.8 feet below the crown. Electrical conduit through the levee, 1 foot below the crown. Pump on a pile structure in the stream. Service pole with meter and control panel at the landside (LS) toe. Slide gate with walkway on the waterside (WS) end. Gate valve on the LS end, not found during 10/21/2013 pipe inventory. Rock revetment on the WS slope. (Plans for removal of a pump on the LS and installation of a pump and two concrete piers on the WS authorized under Permit No. 3686, 1961 - Gerald A. Frye). [Additional Reference(s): DWR Levee Log, 2007]. FS Date: 10/21/2013

LM Start	0.57	Rating **	M	Issue No.	52 (cont)
LM End	0.57	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_23503_40784.jpg



View of levee crown looking upstream from crossing.

Photo 2 of 3 : UCIP_FA_2019_23503_40780.jpg



View of levee crown looking downstream.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	10/09/2019 10/09/2019	Makar Sokol

LM Start	0.57	Rating **	M	Issue No.	52 (cont)	
LM End	0.57	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.142682 °	39.142682 °	
				-121.841913 °	-121.841913 °	
DWR ID	21351					
Comment Code						
Inspector Comment						
DS_ID:21351 FS_ID:23503 EP_NO: 3686 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. Unable to find the gate valve on landward side. Walkway on waterward side in bad shape. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0300 for 18 inch pipe. Pipe on LS is 10 inch not 18 inch. SEE UCIP DS_ID 21350 for details pertaining to 18 inch pipe. FIELD_STRUCT_DESC: 10-inch irrigation discharge pipe of an unknown material through the levee, 14.8 feet below the crown. Electrical conduit through the levee, 1 foot below the crown. Pump on a pile structure in the stream. Service pole with meter and control panel at the landside (LS) toe. Slide gate with walkway on the waterside (WS) end. Gate valve on the LS end, not found during 10/21/2013 pipe inventory. Rock revetment on the WS slope. (Plans for removal of a pump on the LS and installation of a pump and two concrete piers on the WS authorized under Permit No. 3686, 1961 - Gerald A. Frye). [Additional Reference(s): DWR Levee Log, 2007]. FS Date: 10/21/2013						

Photo 3 of 3 : UCIP_FA_2019_23503_40785.jpg



View of waterward side--dense vegetation along slope.

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	10/09/2019 10/09/2019	Makar Sokol

LM Start	0.63	Rating **	M	Issue No.	53
LM End	0.63	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.143380 °	39.143380 °
				-121.842606 °	-121.842606 °
DWR ID	21354				

Comment Code

Inspector Comment

DS_ID:21354
FS_ID:23467
EP_NO: 14802
Repair Type: Non-Urgent
Crossing Status: Indicator Found
UCIP Comments: Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition. Markers found about 159 feet upstream of coordinates at the crossing of the ramp and S. Tarke Road (39.142684, -121.842685).
FIELD_STRUCT_DESC: 4-inch steel natural gas pipeline through the levee, 2.5 feet below the crown. Aluminum pipe marker on the landside (LS) slope. Emergency contact information for Pacific Gas and Electric Company (PG&E): (800) 344-4749? or 4742? or (916) 742-3251. (Plans to replace an existing 3-inch natural gas main through the levee with a new 4-inch steel pipe authorized under Permit No. 14802, 1987 - PG&E). [Additional Reference(s): DWR Levee Log, 2007].
FS Date: 10/21/2013

LM Start	0.63	Rating **	M	Issue No.	53 (cont)
LM End	0.63	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_23467_40643.jpg



Underground Service Alert (USA) flag located at the end of Hwy 20 confirming gas line goes through.

Photo 2 of 3 : UCIP_FA_2019_23467_40641.jpg



Additional appurtenances for gas line located at landward side near S. Tarke Rd.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	10/09/2019 10/09/2019	Makar Sokol

LM Start	0.63	Rating **	M	Issue No.	53 (cont)	
LM End	0.63	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.143380 °	39.143380 °	
				-121.842606 °	-121.842606 °	
DWR ID	21354					
Comment Code						
Inspector Comment						
DS_ID:21354 FS_ID:23467 EP_NO: 14802 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition. Markers found about 159 feet upstream of coordinates at the crossing of the ramp and S. Tarke Road (39.142684, -121.842685). FIELD_STRUCT_DESC: 4-inch steel natural gas pipeline through the levee, 2.5 feet below the crown. Aluminum pipe marker on the landside (LS) slope. Emergency contact information for Pacific Gas and Electric Company (PG&E): (800) 344-4749? or 4742? or (916) 742-3251. (Plans to replace an existing 3-inch natural gas main through the levee with a new 4-inch steel pipe authorized under Permit No. 14802, 1987 - PG&E). [Additional Reference(s): DWR Levee Log, 2007]. FS Date: 10/21/2013						

Photo 3 of 3 : UCIP_FA_2019_23467_40640.jpg



Close-up of the additional appurtenances for gas line located landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	10/09/2019 10/09/2019	Makar Sokol

LM Start	0.70	Rating **	M	Issue No.	54	
LM End	0.70	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.144369 °	39.144369 °	
				-121.842778 °	-121.842778 °	
DWR ID	21355					
Comment Code						
Inspector Comment						
DS_ID:21355 FS_ID:23526 EP_NO: 9961 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense burrow activity present on both waterward side and landward side. Recommend addressing burrow activity at this location. Also recommend having owner clear vegetation blocking access along walkway. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_290. FIELD_STRUCT_DESC: 10-inch (not 12-inch as referenced in the permit) steel irrigation discharge pipe through the levee, 5.4 feet below the crown. Siphon breaker in a corrugated metal pipe (CMP) riser on the landside (LS) slope. 24-inch concrete standpipe at the LS toe. Walkway to the pump on a pile structure in the stream. (Retention of a 12-inch steel irrigation pipe through the levee, 5.4 feet below the crown, a walkway to the pump on a pile structure in the stream, and a siphon breaker in a CMP riser on the landward slope authorized under Automatic Board Order (ABO) issued as Permit No. 9961, 1974 - Louis Tarke, Trustee). [Additional Reference(s): DWR Levee Log, 2007]. FS Date: 10/21/2013						

LM Start	0.70	Rating **	M	Issue No.	54 (cont)
LM End	0.70	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_23526_40942.jpg



View of levee crown and waterward berm looking downstream from crossing.

Photo 2 of 3 : UCIP_FA_2019_23526_40941.jpg



View of standpipe and CMP riser located on landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	10/09/2019 10/09/2019	Makar Sokol

LM Start	0.70	Rating **	M	Issue No.	54 (cont)
LM End	0.70	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.144369 °	39.144369 °
				-121.842778 °	-121.842778 °
DWR ID	21355				
Comment Code					
Inspector Comment					
DS_ID:21355 FS_ID:23526 EP_NO: 9961 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense burrow activity present on both waterward side and landward side. Recommend addressing burrow activity at this location. Also recommend having owner clear vegetation blocking access along walkway. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_290. FIELD_STRUCT_DESC: 10-inch (not 12-inch as referenced in the permit) steel irrigation discharge pipe through the levee, 5.4 feet below the crown. Siphon breaker in a corrugated metal pipe (CMP) riser on the landside (LS) slope. 24-inch concrete standpipe at the LS toe. Walkway to the pump on a pile structure in the stream. (Retention of a 12-inch steel irrigation pipe through the levee, 5.4 feet below the crown, a walkway to the pump on a pile structure in the stream, and a siphon breaker in a CMP riser on the landward slope authorized under Automatic Board Order (ABO) issued as Permit No. 9961, 1974 - Louis Tarke, Trustee). [Additional Reference(s): DWR Levee Log, 2007]. FS Date: 10/21/2013					

Photo 3 of 3 : UCIP_FA_2019_23526_40940.jpg



View of levee crown and waterward berm looking upstream from crossing.

LM Start	0.71	Rating **	A/W	Issue No.	41
LM End	0.78	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			39.144486 °	39.145602 °
				-121.842547 °	-121.842573 °
DWR ID	DWR_RD0070_01_f_2018_41				
Comment Code					
Inspector Comment					
2017 Site ID: BTS 0.8 R					
Status: Eroding New					
2017 Field Notes: Erosion along lower bank, one section has slumped off. Large cracks observed, and expecting additional slumping failures.					
Site History:					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	10/09/2019 10/09/2019	Makar Sokol

LM Start	0.75	Rating **	M	Issue No.	28
LM End	0.75	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			39.145140°	39.145140°
				-121.842840°	-121.842840°
DWR ID	DWR_RD0070_01_s_2019_28				
Comment Code					
C3 : Add appropriate gravel or road base. Grade and compact.					
Inspector Comment					

No Photos

LM Start	0.75	Rating **	M	Issue No.	33
LM End	0.75	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.145095 °	39.145095 °
				-121.842865 °	-121.842865 °
DWR ID	DWR_RD0070_01_f_2016_33				
Comment Code					
PR : Prunings					
Inspector Comment					
Prunings should be removed from the landside toe.					

Photo 1 of 1 : FA_2019_RD0070_29_33_20190822_00007.jpg



View of the prunings along the landside toe.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	10/09/2019 10/09/2019	Makar Sokol

LM Start	0.76	Rating **	A/W	Issue No.	36
LM End	0.76	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			39.145240 °	39.145240 °
				-121.842650 °	-121.842650 °
DWR ID	RD 70-03				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:154					
Site Designation:RD 70-03					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/17/2017					
Notes:					

LM Start	0.76	Rating **	A/W	Issue No.	36 (cont)
LM End	0.76	Issue Type +	Ma	Location *	WS

Photo 1 of 3 : LEVAL_FA_2019_154_1686.jpg



Photo 2 of 3 : LEVAL_FA_2019_154_1687.jpg



*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

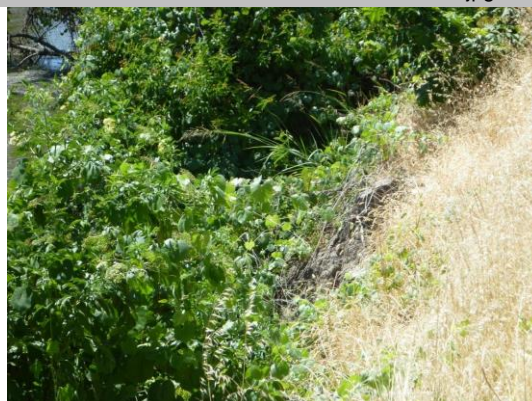
Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	10/09/2019 10/09/2019	Makar Sokol

LM Start	0.76	Rating **	A/W	Issue No.	36 (cont)	
LM End	0.76	Issue Type +	Ma	Location *	WS	
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			39.145240 °	39.145240 °	
				-121.842650 °	-121.842650 °	
DWR ID	RD 70-03					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:154						
Site Designation:RD 70-03						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:7/17/2017						
Notes:						

Photo 3 of 3 : LEVAL_FA_2019_154_1688.jpg



LM Start	1.40	Rating **	M	Issue No.	31
LM End	1.40	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			39.146790 °	39.146790 °
				-121.853060 °	-121.853060 °
DWR ID	DWR_RD0070_01_s_2019_31				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	10/09/2019 10/09/2019	Makar Sokol

LM Start	1.77	Rating **	M	Issue No.	32
LM End	1.77	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.151282°	39.151282°
				-121.855818°	-121.855818°
DWR ID	DWR_RD0070_01_f_2016_32				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2019_RD0070_29_32_20190822_00006.jpg



View of the rodent holes along the waterside slope.

LM Start	1.83	Rating **	M	Issue No.	55	
LM End	1.83	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.151786 °	39.151786 °	
				-121.856875 °	-121.856875 °	
DWR ID	21336					
Comment Code						
Inspector Comment						
DS_ID:21336 FS_ID:23508 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to find owner to determine if crossing is still in use. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Evidence of high burrow activity on waterward side recommend addressing issue. This crossing is referenced as USACE_CESPK_MRD1_2012_p_0230 in the USACE's PI report for no USACE recommendation letter available -- correction pipe is 12-inch not 16-inch. FIELD_STRUCT_DESC: 12-inch irrigation discharge pipe of an unknown material through the levee, 4 feet below the crown. Siphon breaker on the landside (LS) slope. 7-foot by 9-foot concrete distribution box at the LS toe. Service pole on the waterside (WS) slope. Pump on a concrete sump on the WS slope. Overhead power line crosses the levee. (Plans for the installation of a 12-inch steel irrigation pipe through the levee authorized under Permit No. 613, 1934 - Waldo M. Nall. Plans to retain a 12-inch pipe through the levee, 4 feet below the crown, pump, and siphon breaker authorized under Automatic Board Order (ABO) issued as Permit No. 9948, 1974 - Edward E. and Doris M. Nall). [Additional Reference(s): DWR Levee Log, 2007]. FS Date: 10/21/2013						

Photo 1 of 3 : UCIP_FA_2019_23508_40821.jpg



View of levee crown looking upstream from crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	10/09/2019 10/09/2019	Makar Sokol

LM Start	1.83	Rating **	M	Issue No.	55 (cont)	
LM End	1.83	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.151786 °	39.151786 °	
				-121.856875 °	-121.856875 °	
DWR ID	21336					
Comment Code						
Inspector Comment						
DS_ID:21336 FS_ID:23508 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to find owner to determine if crossing is still in use. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Evidence of high burrow activity on waterward side recommend addressing issue. This crossing is referenced as USACE_CESPK_MRD1_2012_p_0230 in the USACE's PI report for no USACE recommendation letter available -- correction pipe is 12-inch not 16-inch. FIELD_STRUCT_DESC: 12-inch irrigation discharge pipe of an unknown material through the levee, 4 feet below the crown. Siphon breaker on the landside (LS) slope. 7-foot by 9-foot concrete distribution box at the LS toe. Service pole on the waterside (WS) slope. Pump on a concrete sump on the WS slope. Overhead power line crosses the levee. (Plans for the installation of a 12-inch steel irrigation pipe through the levee authorized under Permit No. 613, 1934 - Waldo M. Nall. Plans to retain a 12-inch pipe through the levee, 4 feet below the crown, pump, and siphon breaker authorized under Automatic Board Order (ABO) issued as Permit No. 9948, 1974 - Edward E. and Doris M. Nall). [Additional Reference(s): DWR Levee Log, 2007]. FS Date: 10/21/2013						

LM Start	1.83	Rating **	M	Issue No.	55 (cont)
LM End	1.83	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_23508_40819.jpg



Dense burrow activity found on waterward slope.

Photo 3 of 3 : UCIP_FA_2019_23508_40820.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	10/09/2019 10/09/2019	Makar Sokol

LM Start	2.82	Rating **	M	Issue No.	56
LM End	2.82	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.158151°	39.158151°
				-121.873005°	-121.873005°
DWR ID	21322				
Comment Code					
Inspector Comment					
DS_ID:21322 FS_ID:23530 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to determine if crossing exists need to coordinate with LMA to determine if more information is available about crossing. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0208 for concrete ditch lined within 15 feet of LS toe, no water present, and no USACE recommendation letter available. FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, at an unknown depth. Cutoff wall around the pipe at the center of the levee. Slide gate on each end. Pump on the waterside (WS). Concrete distribution box on the landside (LS). [Additional Reference(s): USACE Sacramento O&M Manual 134, June 1953, (Station 142+70)]. FS Date: 10/21/2013					

Photo 1 of 3 : UCIP_FA_2019_23530_40968.jpg



View of waterward side.

LM Start	2.82	Rating **	M	Issue No.	56 (cont)
LM End	2.82	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_23530_40972.jpg



View of waterward slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	10/09/2019 10/09/2019	Makar Sokol

LM Start	2.82	Rating **	M	Issue No.	56 (cont)	
LM End	2.82	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.158151°	39.158151°	
				-121.873005°	-121.873005°	
DWR ID	21322					
Comment Code						
Inspector Comment						
DS_ID:21322 FS_ID:23530 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to determine if crossing exists need to coordinate with LMA to determine if more information is available about crossing. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0208 for concrete ditch lined within 15 feet of LS toe, no water present, and no USACE recommendation letter available. FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, at an unknown depth. Cutoff wall around the pipe at the center of the levee. Slide gate on each end. Pump on the waterside (WS). Concrete distribution box on the landside (LS). [Additional Reference(s): USACE Sacramento O&M Manual 134, June 1953, (Station 142+70)]. FS Date: 10/21/2013						

Photo 3 of 3 : UCIP_FA_2019_23530_40971.jpg



Waterward side covered by vegetation.

LM Start	3.18	Rating **	A/W	Issue No.	37
LM End	3.18	Issue Type +	Ob	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			39.157480°	39.157480°
				-121.879250°	-121.879250°
DWR ID	RD 70-02				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:153					
Site Designation:RD 70-02					
Repair Type: Seepage (B)					
Rating:Serious					
Field Date:7/17/2017					
Notes:					

Photo 1 of 3 : LEVAL_FA_2019_153_1702.jpg



* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	10/09/2019 10/09/2019	Makar Sokol

LM Start	3.18	Rating **	A/W	Issue No.	37 (cont)	
LM End	3.18	Issue Type +	Ob	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			39.157480 °	39.157480 °	
				-121.879250 °	-121.879250 °	
DWR ID	RD 70-02					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:153						
Site Designation:RD 70-02						
Repair Type: Seepage (B)						
Rating:Serious						
Field Date:7/17/2017						
Notes:						

LM Start	3.18	Rating **	A/W	Issue No.	37 (cont)
LM End	3.18	Issue Type +	Ob	Location *	

Photo 2 of 3 : LEVAL_FA_2019_153_1704.jpg



Photo 3 of 3 : LEVAL_FA_2019_153_1707.jpg



* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	10/09/2019 10/09/2019	Makar Sokol

LM Start	3.37	Rating **	M	Issue No.	57	
LM End	3.37	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.156437°	39.156437°	
				-121.882519°	-121.882519°	
DWR ID	21361					
Comment Code						
Inspector Comment						
DS_ID:21361 FS_ID:23506 EP_NO: 9944 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Burrow activity present on levee slopes. Multiple pipes found on landward side--are these pipes part of original crossing? This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0291--no USACE recommendation letter available. FIELD_STRUCT_DESC: 18-inch steel irrigation discharge pipe through the levee, 21.5 feet below the crown. Gate valve on the waterside (WS) end. Pipe discharges into a concrete box on the landside (LS). Rock revetment on the WS slope. (Retention of an 18-inch steel pipe through the levee, 21.5 feet below the crown, gate valve, and concrete box authorized under Automatic Board Order (ABO) issued as Permit No. 9944, 1974 - William J. and Marion D. Hankins). [Additional Reference(s): DWR Levee Log, 2007]. FS Date: 10/21/2013						

Photo 1 of 3 : UCIP_FA_2019_23506_40806.jpg



View of waterward side slope and berm.

LM Start	3.37	Rating **	M	Issue No.	57 (cont)
LM End	3.37	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_23506_40801.jpg



Recent burrow activity soil months next to holes.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	10/09/2019 10/09/2019	Makar Sokol

LM Start	3.37	Rating **	M	Issue No.	57 (cont)
LM End	3.37	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.156437 °	39.156437 °
				-121.882519 °	-121.882519 °
DWR ID	21361				
Comment Code					
Inspector Comment					
DS_ID:21361 FS_ID:23506 EP_NO: 9944 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Burrow activity present on levee slopes. Multiple pipes found on landward side--are these pipes part of original crossing? This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0291--no USACE recommendation letter available. FIELD_STRUCT_DESC: 18-inch steel irrigation discharge pipe through the levee, 21.5 feet below the crown. Gate valve on the waterside (WS) end. Pipe discharges into a concrete box on the landside (LS). Rock revetment on the WS slope. (Retention of an 18-inch steel pipe through the levee, 21.5 feet below the crown, gate valve, and concrete box authorized under Automatic Board Order (ABO) issued as Permit No. 9944, 1974 - William J. and Marion D. Hankins). [Additional Reference(s): DWR Levee Log, 2007]. FS Date: 10/21/2013					

Photo 3 of 3 : UCIP_FA_2019_23506_40807.jpg



U shaped concrete box located on waterward side contains pump, motor, stairs, and pipe.

LM Start	3.38	Rating **	M	Issue No.	34
LM End	3.38	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.156324 °	39.156324 °
				-121.882749 °	-121.882749 °
DWR ID	DWR_RD0070_01_s_2019_34				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	10/09/2019 10/09/2019	Makar Sokol

LM Start	3.63	Rating **	M	Issue No.	58
LM End	3.63	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.157330 °	39.157330 °
				-121.887113 °	-121.887113 °
DWR ID	21362				
Comment Code					
Inspector Comment					
DS_ID:21362 FS_ID:23510 EP_NO: 9944 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No pump connection. Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0183 no USACE recommendation letter available. FIELD_STRUCT_DESC: 18-inch irrigation discharge pipe of an unknown material through the levee, 19.5 feet below the crown. Slide gate on the waterside (WS) end. Pump on the WS. Concrete distribution box on the landside (LS) slope. (Retention of an 18-inch pipe through the levee, 19.5 feet below the crown, and appurtenances authorized under Automatic Board Order (ABO) issued as Permit No. 9944, 1974 - William J. and Marion D. Hankins). [Additional Reference(s): DWR Levee Log, 2007. USACE Sacramento O&M Manual 134, June 1953, (Station 180+50)]. FS Date: 10/21/2013					

Photo 1 of 3 : UCIP_FA_2019_23510_40837.jpg



Concrete head wall and screw gate at waterward toe.

LM Start	3.63	Rating **	M	Issue No.	58 (cont)
LM End	3.63	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_23510_40838.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	10/09/2019 10/09/2019	Makar Sokol

LM Start	3.63	Rating **	M	Issue No.	58 (cont)	
LM End	3.63	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.157330 °	39.157330 °	
				-121.887113 °	-121.887113 °	
DWR ID	21362					
Comment Code						
Inspector Comment						
DS_ID:21362 FS_ID:23510 EP_NO: 9944 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No pump connection. Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0183 no USACE recommendation letter available. FIELD_STRUCT_DESC: 18-inch irrigation discharge pipe of an unknown material through the levee, 19.5 feet below the crown. Slide gate on the waterside (WS) end. Pump on the WS. Concrete distribution box on the landside (LS) slope. (Retention of an 18-inch pipe through the levee, 19.5 feet below the crown, and appurtenances authorized under Automatic Board Order (ABO) issued as Permit No. 9944, 1974 - William J. and Marion D. Hankins). [Additional Reference(s): DWR Levee Log, 2007. USACE Sacramento O&M Manual 134, June 1953, (Station 180+50)]. FS Date: 10/21/2013						

Photo 3 of 3 : UCIP_FA_2019_23510_40836.jpg



View of appurtenances located on waterward side.

LM Start	3.72	Rating **	C	Issue No.	29
LM End	3.72	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.158183 °	39.158183 °
				-121.888397 °	-121.888397 °
DWR ID	DWR_RD0070_01_f_2016_29				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	10/09/2019 10/09/2019	Makar Sokol

LM Start	4.21	Rating **	C	Issue No.	42
LM End	4.21	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.163280 °	39.163280 °	
			-121.894480 °	-121.894480 °	
DWR ID	DWR_RD0070_01_s _ 2019_42				
Comment Code					
DE : Debris					
Inspector Comment					
The pile of debris should be removed from waterside toe.					

No Photos

LM Start	4.30	Rating **	M	Issue No.	43
LM End	4.30	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.164190 °	39.164190 °	
			-121.895740 °	-121.895740 °	
DWR ID	DWR_RD0070_01_s _ 2019_43				
Comment Code					
PR : Prunings					
Inspector Comment					
The prunings should be removed from the landside toe.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	10/09/2019 10/09/2019	Makar Sokol

LM Start	4.55	Rating **	M	Issue No.	59
LM End	4.55	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.166859 °	39.166859 °
				-121.898846 °	-121.898846 °
DWR ID	21364				
Comment Code					
Inspector Comment					
DS_ID:21364 FS_ID:23515 EP_NO: 9954 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Power pole down on waterward side. Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0147. FIELD_STRUCT_DESC: 18-inch (not 24-inch as referenced in the permit) steel irrigation discharge pipe through the levee, 18 feet below the crown. Pipe crosses the levee at a 45 degree angle. Slide gate in a 5-foot by 5-foot concrete box at the waterside (WS) toe. Pump in a pump house on the WS, not found. Discharge box at the landside (LS) toe. Power pole at the WS toe. (Retention of a 24-inch steel pipe through the levee, 18 feet below the crown, pump, slide gate, and discharge box authorized under Automatic Board Order (ABO) issued as Permit No. 9954, 1974 - Parker A. Reische). [Additional Reference(s): DWR Levee Log, 2007]. FS Date: 10/21/2013					

LM Start	4.55	Rating **	M	Issue No.	59 (cont)
LM End	4.55	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_23515_40867.jpg



View of waterward slope.

Photo 2 of 3 : UCIP_FA_2019_23515_40868.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	10/09/2019 10/09/2019	Makar Sokol

LM Start	4.55	Rating **	M	Issue No.	59 (cont)							
LM End	4.55	Issue Type +	En	Location *								
Category	Supplemental		GPS Latitude/Longitude									
			Start	End								
Item	DRAFT DWR UCIP Field Study		39.166859 °	39.166859 °								
			-121.898846 °	-121.898846 °								
DWR ID	21364											
Comment Code												
Inspector Comment												
DS_ID:21364 FS_ID:23515 EP_NO: 9954 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Power pole down on waterward side. Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0147. FIELD_STRUCT_DESC: 18-inch (not 24-inch as referenced in the permit) steel irrigation discharge pipe through the levee, 18 feet below the crown. Pipe crosses the levee at a 45 degree angle. Slide gate in a 5-foot by 5-foot concrete box at the waterside (WS) toe. Pump in a pump house on the WS, not found. Discharge box at the landside (LS) toe. Power pole at the WS toe. (Retention of a 24-inch steel pipe through the levee, 18 feet below the crown, pump, slide gate, and discharge box authorized under Automatic Board Order (ABO) issued as Permit No. 9954, 1974 - Parker A. Reische). [Additional Reference(s): DWR Levee Log, 2007]. FS Date: 10/21/2013												

Photo 3 of 3 : UCIP_FA_2019_23515_40869.jpg



View of concrete box located on waterward side, photo 2 of 2.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	10/09/2019 10/09/2019	Makar Sokol

LM Start	4.59	Rating **	M	Issue No.	60	
LM End	4.59	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.167406 °	39.167406 °	
				-121.899277 °	-121.899277 °	
DWR ID	21339					
Comment Code						
Inspector Comment						
DS_ID:21339 FS_ID:23516 EP_NO: 9951 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0144. FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee, 16.3 feet below the crown. Pipe crosses the levee at a 45 degree angle. Siphon breaker in a corrugated metal pipe (CMP) riser on the landside (LS) slope. Gate valve on the waterside (WS) end. Pipe discharges into a concrete discharge box. (Plans to retain a 10-inch steel pipe through the levee, 16.3 feet below the crown, a gate valve, a siphon breaker in a CMP riser, and a concrete discharge box authorized under Automatic Board Order (ABO) issued as Permit No. 9951, 1974 - Frank and Mischa Pirtle). [Additional Reference(s): DWR Levee Log, 2007]. FS Date: 10/21/2013						

LM Start	4.59	Rating **	M	Issue No.	60 (cont)
LM End	4.59	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_23516_40873.jpg



View of pipe located on waterward side.

Photo 2 of 3 : UCIP_FA_2019_23516_40872.jpg



View of pipe on landward side inside concrete distribution box.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	10/09/2019 10/09/2019	Makar Sokol

LM Start	4.59	Rating **	M	Issue No.	60 (cont)	
LM End	4.59	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.167406 °	39.167406 °	
				-121.899277 °	-121.899277 °	
DWR ID	21339					
Comment Code						
Inspector Comment						
DS_ID:21339 FS_ID:23516 EP_NO: 9951 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0144. FIELD_STRUCT_DESC: 10-inch steel irrigation pipe through the levee, 16.3 feet below the crown. Pipe crosses the levee at a 45 degree angle. Siphon breaker in a corrugated metal pipe (CMP) riser on the landside (LS) slope. Gate valve on the waterside (WS) end. Pipe discharges into a concrete discharge box. (Plans to retain a 10-inch steel pipe through the levee, 16.3 feet below the crown, a gate valve, a siphon breaker in a CMP riser, and a concrete discharge box authorized under Automatic Board Order (ABO) issued as Permit No. 9951, 1974 - Frank and Mischa Pirtle). [Additional Reference(s): DWR Levee Log, 2007]. FS Date: 10/21/2013						

Photo 3 of 3 : UCIP_FA_2019_23516_40874.jpg



Concrete distribution box located at landward toe.

LM Start	4.65	Rating **	C	Issue No.	30
LM End	4.65	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.168110 °	39.168110 °
				-121.899910 °	-121.899910 °
DWR ID	DWR_RD0070_01_f_2016_30				
Comment Code					
PR : Prunings					
Inspector Comment					
The prunings should be removed from the landside toe.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	10/09/2019 10/09/2019	Makar Sokol

LM Start	4.71	Rating **	M	Issue No.	61	
LM End	4.71	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.168832 °	39.168832 °	
				-121.900436 °	-121.900436 °	
DWR ID	21340					
Comment Code						
Inspector Comment						
DS_ID:21340 FS_ID:23517 EP_NO: 9954 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Burrow activity present on waterward slope. Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0134. FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation discharge pipe through the levee, 19 feet below the crown. Slide gate on the waterside (WS). Concrete distribution box at the landside (LS) toe. (Retention of a 24-inch corrugated metal pipe (CMP) through the levee, 19 feet below the crown, a slide gate, and a concrete distribution box authorized under Automatic Board Order (ABO) issued as Permit No. 9954, 1974 - Parker A. Reische). [Additional Reference(s): DWR Levee Log, 2007]. FS Date: 10/21/2013						

LM Start	4.71	Rating **	M	Issue No.	61 (cont)
LM End	4.71	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_23517_40883.jpg



delete

Photo 2 of 3 : UCIP_FA_2019_23517_40877.jpg



View of pipe located on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	10/09/2019 10/09/2019	Makar Sokol

LM Start	4.71	Rating **	M	Issue No.	61 (cont)	
LM End	4.71	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.168832 °	39.168832 °	
				-121.900436 °	-121.900436 °	
DWR ID	21340					
Comment Code						
Inspector Comment						
DS_ID:21340 FS_ID:23517 EP_NO: 9954 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Burrow activity present on waterward slope. Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0134. FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation discharge pipe through the levee, 19 feet below the crown. Slide gate on the waterside (WS). Concrete distribution box at the landside (LS) toe. (Retention of a 24-inch corrugated metal pipe (CMP) through the levee, 19 feet below the crown, a slide gate, and a concrete distribution box authorized under Automatic Board Order (ABO) issued as Permit No. 9954, 1974 - Parker A. Reische). [Additional Reference(s): DWR Levee Log, 2007]. FS Date: 10/21/2013						

Photo 3 of 3 : UCIP_FA_2019_23517_40882.jpg



View of slide gate on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	10/09/2019 10/09/2019	Makar Sokol

LM Start	4.99	Rating **	M	Issue No.	62
LM End	4.99	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.172334 °	39.172334 °
				-121.902998 °	-121.902998 °
DWR ID	21338				
Comment Code					
Inspector Comment					
DS_ID:21338 FS_ID:23518 EP_NO: 9940 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No connection present--need to contact owner to determine if owner plans to use. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Unable to determine if crossing is in use. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0125. FIELD_STRUCT_DESC: 18-inch steel irrigation discharge pipe through the levee, 19 feet below the crown. Cutoff wall around the pipe at the center of the levee. Slide gate in a concrete distribution box on the landside (LS). Pump on the waterside (WS). Pipe discharges into a concrete box on the LS. (Retention of an 18-inch steel pipe through the levee, 19 feet below the crown, a pump, a slide gate in a concrete distribution box, and a concrete box authorized under Automatic Board Order (ABO) issued as Permit No. 9940, 1974 - Pearl Clark, et al.). [Additional Reference(s): DWR Levee Log, 2007. USACE Sacramento O&M Manual 134, June 1953, (Station 251+30)]. FS Date: 10/21/2013					

LM Start	4.99	Rating **	M	Issue No.	62 (cont)
LM End	4.99	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_23518_40886.jpg



View of waterward side--pipe and concrete distribution box.

Photo 2 of 3 : UCIP_FA_2019_23518_40887.jpg



View of waterward slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	10/09/2019 10/09/2019	Makar Sokol

LM Start	4.99	Rating **	M	Issue No.	62 (cont)	
LM End	4.99	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			39.172334 °	39.172334 °	
				-121.902998 °	-121.902998 °	
DWR ID	21338					
Comment Code						
Inspector Comment						
DS_ID:21338 FS_ID:23518 EP_NO: 9940 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No connection present--need to contact owner to determine if owner plans to use. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Unable to determine if crossing is in use. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0125. FIELD_STRUCT_DESC: 18-inch steel irrigation discharge pipe through the levee, 19 feet below the crown. Cutoff wall around the pipe at the center of the levee. Slide gate in a concrete distribution box on the landside (LS). Pump on the waterside (WS). Pipe discharges into a concrete box on the LS. (Retention of an 18-inch steel pipe through the levee, 19 feet below the crown, a pump, a slide gate in a concrete distribution box, and a concrete box authorized under Automatic Board Order (ABO) issued as Permit No. 9940, 1974 - Pearl Clark, et al.). [Additional Reference(s): DWR Levee Log, 2007. USACE Sacramento O&M Manual 134, June 1953, (Station 251+30)]. FS Date: 10/21/2013						

Photo 3 of 3 : UCIP_FA_2019_23518_40890.jpg



Screw gate located inside concrete distribution box located on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	10/09/2019 10/09/2019	Makar Sokol

LM Start	5.41	Rating **	M	Issue No.	63	
LM End	5.41	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.176780 °	39.176780 °	
				-121.908025 °	-121.908025 °	
DWR ID	21357					
Comment Code						
Inspector Comment						
DS_ID:21357 FS_ID:23519 EP_NO: 9957 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Burrow activity on slopes -- recommend addressing issue. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0110. FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, 5.5 feet below the crown. Pump on the waterside (WS) slope. Siphon breaker in a corrugated metal pipe (CMP) riser on the landside (LS) slope. Pipe discharges into a concrete box at the LS toe. Service pole at the LS toe. (Plans to retain a 12-inch steel pipe through the levee, 5.5 feet below the crown, a siphon breaker in a CMP riser, a pump, and a concrete box authorized under Automatic Board Order (ABO) issued as Permit No. 9957, 1974 - James E. and Mattie Smith). [Additional Reference(s): DWR Levee Log, 2007]. FS Date: 10/21/2013						

LM Start	5.41	Rating **	M	Issue No.	63 (cont)
LM End	5.41	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_23519_40896.jpg



View of waterward side--pump, pipe, and walkway.

Photo 2 of 3 : UCIP_FA_2019_23519_40898.jpg



Pipe and electrical conduit exposed on levee berm.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	10/09/2019 10/09/2019	Makar Sokol

LM Start	5.41	Rating **	M	Issue No.	63 (cont)	
LM End	5.41	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.176780 °	39.176780 °	
				-121.908025 °	-121.908025 °	
DWR ID	21357					
Comment Code						
Inspector Comment						
DS_ID:21357 FS_ID:23519 EP_NO: 9957 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Burrow activity on slopes -- recommend addressing issue. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0110. FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, 5.5 feet below the crown. Pump on the waterside (WS) slope. Siphon breaker in a corrugated metal pipe (CMP) riser on the landside (LS) slope. Pipe discharges into a concrete box at the LS toe. Service pole at the LS toe. (Plans to retain a 12-inch steel pipe through the levee, 5.5 feet below the crown, a siphon breaker in a CMP riser, a pump, and a concrete box authorized under Automatic Board Order (ABO) issued as Permit No. 9957, 1974 - James E. and Mattie Smith). [Additional Reference(s): DWR Levee Log, 2007]. FS Date: 10/21/2013						

Photo 3 of 3 : UCIP_FA_2019_23519_40897.jpg



View of landward slope.

LM Start	6.10	Rating **	C	Issue No.	44
LM End	6.10	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.186370 °	39.186370 °
				-121.910420 °	-121.910420 °
DWR ID	DWR_RD0070_01_f_2019_44				
Comment Code					
TR : Tree or limb					
Inspector Comment					
The tree should be removed from the waterside toe.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	10/09/2019 10/09/2019	Makar Sokol

LM Start	6.12	Rating **	M	Issue No.	64
LM End	6.12	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.186652 °	39.186652 °
				-121.910549 °	-121.910549 °
DWR ID	21360				
Comment Code					
Inspector Comment					
DS_ID:21360 FS_ID:23479 EP_NO: 4867 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Utility marker contact information includes Contact prior to Excavation call 1-800-227-2600 or Emergency Contact 1-800-811-4111. Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition. FIELD_STRUCT_DESC: 6.5-inch coated steel natural gas pipeline through the levee, 4 feet below the crown. Concrete cutoff wall around the pipe at the center of the levee. Rock revetment on the waterside (WS) slope. (Plans for installing a gas line through the levee authorized under Permit No. 4867, 1965 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log, 2007]. FS Date: 10/21/2013					

Photo 1 of 3 : UCIP_FA_2019_23479_40724.jpg



View of landward side.

LM Start	6.12	Rating **	M	Issue No.	64 (cont)
LM End	6.12	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_23479_40723.jpg



Pipeline marker on landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	10/09/2019 10/09/2019	Makar Sokol

LM Start	6.12	Rating **	M	Issue No.	64 (cont)	
LM End	6.12	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.186652 °	39.186652 °	
				-121.910549 °	-121.910549 °	
DWR ID	21360					
Comment Code						
Inspector Comment						
DS_ID:21360 FS_ID:23479 EP_NO: 4867 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Utility marker contact information includes Contact prior to Excavation call 1-800-227-2600 or Emergency Contact 1-800-811-4111. Need to contact owner to determine status of crossing. Need date of last inspection and confirmation that crossing is still in operable condition. FIELD_STRUCT_DESC: 6.5-inch coated steel natural gas pipeline through the levee, 4 feet below the crown. Concrete cutoff wall around the pipe at the center of the levee. Rock revetment on the waterside (WS) slope. (Plans for installing a gas line through the levee authorized under Permit No. 4867, 1965 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log, 2007]. FS Date: 10/21/2013						

Photo 3 of 3 : UCIP_FA_2019_23479_40722.jpg



View of waterward side.

LM Start	6.18	Rating **	M	Issue No.	6
LM End	6.18	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.187481 °	39.187481 °
				-121.910852 °	-121.910852 °
DWR ID	DWR_RD0070_01_s_2012_6				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

Photo 1 of 2 : FA_2019_RD0070_29_6_20190822_00001.jpg



View of vehicle erosion along the waterside slope.

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable
 M : Minimally Acceptable
 U : Unacceptable
 N : Not Inspected/Rated
 C : Corrected
 A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	10/09/2019 10/09/2019	Makar Sokol

LM Start	6.18	Rating **	M	Issue No.	6 (cont)	
LM End	6.18	Issue Type +	Ma	Location *	WS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Slope Stability			39.187481°	39.187481°	
				-121.910852°	-121.910852°	
DWR ID	DWR_RD0070_01_s_2012_6					
Comment Code						
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.						
Inspector Comment						

Photo 2 of 2 : FA_2019_RD0070_29_6_20190822_00002.jpg



View of the vehicle erosion along the waterside slope.

LM Start	6.44	Rating **	C	Issue No.	35
LM End	6.44	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.190897 °	39.190897 °
				-121.912713 °	-121.912713 °
DWR ID	DWR_RD0070_01_s_2018_35				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	6.46	Rating **	C	Issue No.	45
LM End	6.46	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.191110 °	39.191110 °
				-121.913030 °	-121.913030 °
DWR ID	DWR_RD0070_01_s_2019_45				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	10/09/2019 10/09/2019	Makar Sokol

LM Start	6.57	Rating **	U	Issue No.	40
LM End	6.57	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.192283°	39.192283°
				-121.914388°	-121.914388°
DWR ID	DWR_RD0070_01_f_2018_40				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					
Several large rodent holes were observed in this area.					

Photo 1 of 1 : FA_2019_RD0070_29_40_20190822_00016.jpg



View of rodent holes along the landside slope.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	10/09/2019 10/09/2019	Makar Sokol

LM Start	6.58	Rating **	M	Issue No.	65
LM End	6.58	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.192336 °	39.192336 °
				-121.914637 °	-121.914637 °
DWR ID	21341				
Comment Code					
Inspector Comment					
DS_ID:21341 FS_ID:46422 EP_NO: 9960 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/28/2015 Pipe appears still appears abandoned. Priority was downgraded from Urgent to Non-Urgent due to the inactivity. Need to contact owner to confirm status and future use. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements.10/21/2013 Hole present on pipe on waterward side. This crossing was determined urgent due to hole on pipe-no signs leaks present on waterward or landward slopes. Unable to find if crossing is being used. Need to contact owner to determine crossing is still in use. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Unable to determine if crossing is in use. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0069. FIELD_STRUCT_DESC: 12-inch steel pipe of an unknown purpose through the levee, 6.2 feet below the crown. Siphon breaker in a corrugated metal pipe (CMP) riser on the landside (LS) slope. Service pole on the LS shoulder. Concrete distribution box at the LS toe. (Retention of a 12-inch steel pipe through the levee, 6.2 feet below the crown, a siphon breaker in a CMP riser, a service pole, and a concrete distribution box authorized under Automatic Board Order (ABO) issued as Permit No. 9960, 1974 - Richard L. and Mildred E. Tarke). [Additional Reference(s): DWR Levee Log, 2007. USACE Sacramento O&M Manual 134, June 1953, (Station 332+72)]. FS Date: 7/28/2015 3:30:00 PM					

Photo 1 of 3 : UCIP_FA_2019_46422_74619.jpg



Overview of levee crown at crossing. No change from last inspection.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	10/09/2019 10/09/2019	Makar Sokol

LM Start	6.58	Rating **	M	Issue No.	65 (cont)	
LM End	6.58	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.192336 °	39.192336 °	
				-121.914637 °	-121.914637 °	
DWR ID	21341					
Comment Code						
Inspector Comment						
DS_ID:21341 FS_ID:46422 EP_NO: 9960 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/28/2015 Pipe appears still appears abandoned. Priority was downgraded from Urgent to Non-Urgent due to the inactivity. Need to contact owner to confirm status and future use. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements.10/21/2013 Hole present on pipe on waterward side. This crossing was determined urgent due to hole on pipe-no signs leaks present on waterward or landward slopes. Unable to find if crossing is being used. Need to contact owner to determine crossing is still in use. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Unable to determine if crossing is in use. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0069. FIELD_STRUCT_DESC: 12-inch steel pipe of an unknown purpose through the levee, 6.2 feet below the crown. Siphon breaker in a corrugated metal pipe (CMP) riser on the landside (LS) slope. Service pole on the LS shoulder. Concrete distribution box at the LS toe. (Retention of a 12-inch steel pipe through the levee, 6.2 feet below the crown, a siphon breaker in a CMP riser, a service pole, and a concrete distribution box authorized under Automatic Board Order (ABO) issued as Permit No. 9960, 1974 - Richard L. and Mildred E. Tarke). [Additional Reference(s): DWR Levee Log, 2007. USACE Sacramento O&M Manual 134, June 1953, (Station 332+72)]. FS Date: 7/28/2015 3:30:00 PM						

Photo 2 of 3 : UCIP_FA_2019_46422_40914.jpg



View of waterward side.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	10/09/2019 10/09/2019	Makar Sokol

LM Start	6.58	Rating **	M	Issue No.	65 (cont)	
LM End	6.58	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.192336 °	39.192336 °	
				-121.914637 °	-121.914637 °	
DWR ID	21341					
Comment Code						
Inspector Comment						
DS_ID:21341 FS_ID:46422 EP_NO: 9960 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/28/2015 Pipe appears still appears abandoned. Priority was downgraded from Urgent to Non-Urgent due to the inactivity. Need to contact owner to confirm status and future use. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements.10/21/2013 Hole present on pipe on waterward side. This crossing was determined urgent due to hole on pipe-no signs leaks present on waterward or landward slopes. Unable to find if crossing is being used. Need to contact owner to determine crossing is still in use. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Unable to determine if crossing is in use. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0069. FIELD_STRUCT_DESC: 12-inch steel pipe of an unknown purpose through the levee, 6.2 feet below the crown. Siphon breaker in a corrugated metal pipe (CMP) riser on the landside (LS) slope. Service pole on the LS shoulder. Concrete distribution box at the LS toe. (Retention of a 12-inch steel pipe through the levee, 6.2 feet below the crown, a siphon breaker in a CMP riser, a service pole, and a concrete distribution box authorized under Automatic Board Order (ABO) issued as Permit No. 9960, 1974 - Richard L. and Mildred E. Tarke). [Additional Reference(s): DWR Levee Log, 2007. USACE Sacramento O&M Manual 134, June 1953, (Station 332+72)]. FS Date: 7/28/2015 3:30:00 PM						

Photo 3 of 3 : UCIP_FA_2019_46422_40913.jpg



View of waterward slope and pipe at levee toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	10/09/2019 10/09/2019	Makar Sokol

LM Start	6.74	Rating **	M	Issue No.	66	
LM End	6.74	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.194042 °	39.194042 °	
				-121.916630 °	-121.916630 °	
DWR ID	21342					
Comment Code						
Inspector Comment						
DS_ID:21342 FS_ID:49188 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: 06/21/2016 This crossing has been modified DWR levee log indicates 12-inch pipe not a 8-inch pipe, unable to determine if pipe goes through levee. This crossing appears to be an irrigation line. Need to find owner to clarify pipe use, determine whether pipe goes through levee, and determine the fate of the original 12-inch pipe through the levee.10/21/2013 Unable to determine if this is an irrigation pipe or groundwater pipe. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0062--no permit available. FIELD_STRUCT_DESC: 8-inch (not 12-inch as found in desk study) pipe of an unknown material or purpose through the levee, at an unknown depth. Pump and service pole at the landside (LS) toe. [Additional Reference(s): DWR Levee Log, 2007]. FS Date: 10/21/2013						

LM Start	6.74	Rating **	M	Issue No.	66 (cont)
LM End	6.74	Issue Type +	En	Location *	

Photo 1 of 2 : UCIP_FA_2019_49188_40922.jpg



View of landward side.

Photo 2 of 2 : UCIP_FA_2019_49188_40921.jpg



Pump system and pipe on landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	10/09/2019 10/09/2019	Makar Sokol

LM Start	6.87	Rating **	M	Issue No.	46
LM End	6.87	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.195560°	39.195560°	
			-121.918180°	-121.918180°	
DWR ID	DWR_RD0070_01_s_2019_46				
Comment Code					
TR : Tree or limb					
Inspector Comment					
The logs should be removed from waterside slope and shoulder.					

No Photos

LM Start	7.01	Rating **	C	Issue No.	47
LM End	7.01	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Slope Stability		39.194940°	39.194940°	
			-121.920540°	-121.920540°	
DWR ID	DWR_RD0070_01_s_2019_47				
Comment Code					
S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.					
Inspector Comment					

No Photos

LM Start	7.54	Rating **	C	Issue No.	38
LM End	7.54	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.196665°	39.196665°	
			-121.929558°	-121.929558°	
DWR ID	DWR_RD0070_01_f_2017_38				
Comment Code					
TR : Tree or limb					
Inspector Comment					
The tree limbs should be removed from the landside toe.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	10/09/2019 10/09/2019	Makar Sokol

LM Start	7.80	Rating **	M	Issue No.	67	
LM End	7.80	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.195148 °	39.195148 °	
				-121.933849 °	-121.933849 °	
DWR ID	21345					
Comment Code						
Inspector Comment						
DS_ID:21345 FS_ID:23529 EP_NO: 9942 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0005. FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation discharge pipe through the levee, 16.5 feet below the crown. Incline pump on the waterside (WS). Slide gate in a corrugated metal pipe (CMP) riser on the WS slope. Pipe discharges into a concrete box at the landside (LS) toe. Service pole on the LS. (Retention of a 24-inch CMP through the levee, 16.5 feet below the crown, a slant pump, a slide gate in a CMP riser, a box, and a service pole authorized under Automatic Board Order (ABO) issued as Permit No. 9942, 1974 - R. W. and H. Evelyn Draper). [Additional Reference(s): DWR Levee Log, 2007. USACE Sacramento O&M Manual 134, June 1953, (Station 330+00)]. FS Date: 10/21/2013						

LM Start	7.80	Rating **	M	Issue No.	67 (cont)
LM End	7.80	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_23529_40964.jpg



View of waterward slope.

Photo 2 of 3 : UCIP_FA_2019_23529_40963.jpg



CMP riser with screw gate inside. Gate is missing the handle to close gate.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sutter Bypass	Right	7.92	10/09/2019 10/09/2019	Makar Sokol

LM Start	7.80	Rating **	M	Issue No.	67 (cont)							
LM End	7.80	Issue Type +	En	Location *								
Category	Supplemental		GPS Latitude/Longitude									
			Start	End								
Item	DRAFT DWR UCIP Field Study		39.195148°	39.195148°								
			-121.933849°	-121.933849°								
DWR ID	21345											
Comment Code												
Inspector Comment												
DS_ID:21345 FS_ID:23529 EP_NO: 9942 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0005. FIELD_STRUCT_DESC: 24-inch corrugated metal irrigation discharge pipe through the levee, 16.5 feet below the crown. Incline pump on the waterside (WS). Slide gate in a corrugated metal pipe (CMP) riser on the WS slope. Pipe discharges into a concrete box at the landside (LS) toe. Service pole on the LS. (Retention of a 24-inch CMP through the levee, 16.5 feet below the crown, a slant pump, a slide gate in a CMP riser, a box, and a service pole authorized under Automatic Board Order (ABO) issued as Permit No. 9942, 1974 - R. W. and H. Evelyn Draper). [Additional Reference(s): DWR Levee Log, 2007. USACE Sacramento O&M Manual 134, June 1953, (Station 330+00)]. FS Date: 10/21/2013												

Photo 3 of 3 : UCIP_FA_2019_23529_40962.jpg



delete

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2019 Levee Inspection Results

Reclamation District No. 0070 Meridian

Waterway			Bank	Unit Miles
Unit No. 02 Sacramento River			Left	15.50
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			M *	
Date of Inspection	4/3/2019 - 4/3/2019		10/10/2019 - 10/10/2019	
DWR Inspector	Makar Sokol		Makar Sokol	
Accompanied By	Mike Engelmann			

* Overall LMA Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall LMA Rating is M instead of A.

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- completion of the inspection
- any changes other than the results of normal maintenance
- corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	0.05	Rating **	A/W	Issue No.	84
LM End	0.32	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			39.193219 °	39.190038 °
				-121.935783 °	-121.934199 °
DWR ID	DWR_RD0070_02_f_2018_84				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 138.1 L					
Status: Eroding					
2017 Field Notes: No observed change.					
Site History: 1997 - Loss of cobble revetment in levee section. 2004 -					
New fresh erosion in a short section of the downstream end. 2010 -					
New deposition on cobbles. 2016 - Site appears to be stabilizing.					

No Photos

*** Location**
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	0.05	Rating **	U	Issue No.	104
LM End	0.05	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.193396 °	39.193396 °
				-121.935434 °	-121.935434 °
DWR ID	21382				

Comment Code

Inspector Comment

DS_ID:21382
FS_ID:52618
EP_NO: 12707
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 05/16/2018 2-foot round depression on waterward side found 4.5' from levee crown (Marty Rd). 14'x8'x3' excavation found on waterside slope to expose 14"-pipe. Evidence of internal erosion found at the bottom of excavation toward the pump. Cracks in asphalt pavement found on levee crown. (O.Yakimov - DWR UCIP)
11/03/2017 Crossing failed on WS and section of the levee was exposed to determine the extend of pipe damage by owner. Pipe is an up and over crossing. Crossing has been upgraded from Non-Urgent to Urgent due to pipe failure and exposed section of the levee visible on WS. (DWR UCIP - O. Magana)10/22/2013 Burrow activity noticed at this location. Crossing appurtenances have been modified. No 36-inch concrete distribution stand pipe present instead there is a concrete distribution box located at the landward toe. Also siphon breaker housing unit damage. Will need to contact owner. Need to obtain maintenance records and clarify modifications made at to crossing. Recommend having owner clear vegetation on waterward side. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0018.
FIELD_STRUCT_DESC: 14-inch coated steel irrigation discharge pipe through the levee, 3 feet below the crown. Steel cutoff wall around the pipe at the center of the levee. Pump on a metal platform (not timber as noted in the desk study) on the waterside (WS). Siphon breaker on the apex of the pipe at the WS shoulder. 36-inch concrete standpipe at the landside (LS) toe, not found during October 2013 inspection. Service pole at the LS toe. Rock revetment on the WS slope. (Plans to install a 30-kilowatt [40-horsepower] pump on the riverbank with a 14-inch steel discharge pipe through the levee authorized under Permit No. 12707, 1979 - Roger C. Wilber, Butte Creek Farms). [Additional Reference(s): DWR Levee Log, 2007].
FS Date: 5/16/2018

Photo 1 of 3 : UCIP_FA_2019_52618_42061.jpg



View of waterward side--siphon breaker housing unit, pipe daylight, pump, and platform.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	0.05	Rating **	U	Issue No.	104 (cont)
LM End	0.05	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.193396 °	39.193396 °
				-121.935434 °	-121.935434 °
DWR ID	21382				

Comment Code

Inspector Comment

DS_ID:21382
FS_ID:52618
EP_NO: 12707
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 05/16/2018 2-foot round depression on waterward side found 4.5' from levee crown (Marty Rd). 14'x8'x3' excavation found on waterside slope to expose 14"-pipe. Evidence of internal erosion found at the bottom of excavation toward the pump. Cracks in asphalt pavement found on levee crown. (O.Yakimov - DWR UCIP)
11/03/2017 Crossing failed on WS and section of the levee was exposed to determine the extend of pipe damage by owner. Pipe is an up and over crossing. Crossing has been upgraded from Non-Urgent to Urgent due to pipe failure and exposed section of the levee visible on WS. (DWR UCIP - O. Magana)10/22/2013 Burrow activity noticed at this location. Crossing appurtenances have been modified. No 36-inch concrete distribution stand pipe present instead there is a concrete distribution box located at the landward toe. Also siphon breaker housing unit damage. Will need to contact owner. Need to obtain maintenance records and clarify modifications made at to crossing. Recommend having owner clear vegetation on waterward side. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0018.
FIELD_STRUCT_DESC: 14-inch coated steel irrigation discharge pipe through the levee, 3 feet below the crown. Steel cutoff wall around the pipe at the center of the levee. Pump on a metal platform (not timber as noted in the desk study) on the waterside (WS). Siphon breaker on the apex of the pipe at the WS shoulder. 36-inch concrete standpipe at the landside (LS) toe, not found during October 2013 inspection. Service pole at the LS toe. Rock revetment on the WS slope. (Plans to install a 30-kilowatt [40-horsepower] pump on the riverbank with a 14-inch steel discharge pipe through the levee authorized under Permit No. 12707, 1979 - Roger C. Wilber, Butte Creek Farms). [Additional Reference(s): DWR Levee Log, 2007].
FS Date: 5/16/2018

Photo 2 of 3 : UCIP_FA_2019_52618_42060.jpg



View of pump on waterward side.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	0.05	Rating **	U	Issue No.	104 (cont)
LM End	0.05	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.193396 °	39.193396 °
				-121.935434 °	-121.935434 °
DWR ID	21382				

Comment Code

Inspector Comment

DS_ID:21382
FS_ID:52618
EP_NO: 12707
Repair Type: Urgent
Crossing Status: Found
UCIP Comments: 05/16/2018 2-foot round depression on waterward side found 4.5' from levee crown (Marty Rd). 14"x8"x3' excavation found on waterside slope to expose 14"-pipe. Evidence of internal erosion found at the bottom of excavation toward the pump. Cracks in asphalt pavement found on levee crown. (O.Yakimov - DWR UCIP)
11/03/2017 Crossing failed on WS and section of the levee was exposed to determine the extend of pipe damage by owner. Pipe is an up and over crossing. Crossing has been upgraded from Non-Urgent to Urgent due to pipe failure and exposed section of the levee visible on WS. (DWR UCIP - O. Magana)10/22/2013 Burrow activity noticed at this location. Crossing appurtenances have been modified. No 36-inch concrete distribution stand pipe present instead there is a concrete distribution box located at the landward toe. Also siphon breaker housing unit damage. Will need to contact owner. Need to obtain maintenance records and clarify modifications made at to crossing. Recommend having owner clear vegetation on waterward side. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0018.
FIELD_STRUCT_DESC: 14-inch coated steel irrigation discharge pipe through the levee, 3 feet below the crown. Steel cutoff wall around the pipe at the center of the levee. Pump on a metal platform (not timber as noted in the desk study) on the waterside (WS). Siphon breaker on the apex of the pipe at the WS shoulder. 36-inch concrete standpipe at the landside (LS) toe, not found during October 2013 inspection. Service pole at the LS toe. Rock revetment on the WS slope. (Plans to install a 30-kilowatt [40-horsepower] pump on the riverbank with a 14-inch steel discharge pipe through the levee authorized under Permit No. 12707, 1979 - Roger C. Wilber, Butte Creek Farms). [Additional Reference(s): DWR Levee Log, 2007].
FS Date: 5/16/2018

Photo 3 of 3 : UCIP_FA_2019_52618_42062.jpg



View of levee slope on landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	0.07	Rating **	A/W	Issue No.	74
LM End		Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			39.193083 °	°
				-121.935258 °	°
DWR ID	LMA-22				
Comment Code					
Inspector Comment					
Levee Evaluation Comments Description: Site ID No:142 Site Designation:LMA-22 Repair Type: Erosion Rating:Area of Concern Field Date:6/7/2017 Notes: Problematic site was not found. No erosion observed. The erosion is down by the summer water line in the rocks. Continue monitoring the site.					

No Photos

LM Start	0.09	Rating **	A	Issue No.	103
LM End	0.09	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			39.193031 °	39.193031 °
				-121.934767 °	-121.934767 °
DWR ID	DWR_RD0070_02_s_2019_103				
Comment Code					
Inspector Comment					
RD placed stakes to mark location of the boils. Continue monitoring this location during high water.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	0.65	Rating **	M	Issue No.	102
LM End	0.65	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.187407°	39.187407°
				-121.938646°	-121.938646°
DWR ID	DWR_RD0070_02_s_2019_102				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	0.85	Rating **	U	Issue No.	101
LM End	0.85	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.185567 °	39.185567 °
				-121.941427 °	-121.941427 °
DWR ID	DWR_RD0070_02_s_2019_101				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

Photo 1 of 1 : FA_2019_RD0070_30_101_20190822_00030.jpg



View of large rodent holes on the waterside slope. Spring 2019.

LM Start	0.93	Rating **	M	Issue No.	100
LM End	0.93	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.184651 °	39.184651 °
				-121.942219 °	-121.942219 °
DWR ID	DWR_RD0070_02_s_2019_100				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

** Rating
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	1.04	Rating **	M	Issue No.	105
LM End	1.04	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.183211 °	39.183211 °
				-121.943237 °	-121.943237 °
DWR ID	21412				

Comment Code

Inspector Comment

DS_ID:21412
FS_ID:54252
EP_NO: 1575
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 07/24/2019 Permit 9973-1 issued to remove and replace an existing 20-inch steel pipe. (O.Yakimov - DWR UCIP)
Debris scattered on waterward side. Concrete structure on waterward side shows major cracks on the walls. Will need to notify owner. Need to obtain maintenance records to confirm integrity of pipe. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0075.
FIELD_STRUCT_DESC: 20-inch steel irrigation discharge pipe through the levee, 17 feet below the crown. Pump and 10-inch slide gate in a pump house on the waterside (WS). Concrete collar at the WS toe. Power pole on the WS slope. Anchor on the landside (LS) slope. Rock revetment on the WS slope. (Plans for installing an irrigation pumping plant and a 20-inch discharge pipe through the levee authorized under Permit No. 1575, 1951 - Meridian Farms Water Company). [Additional Reference(s): DWR Levee Log, 2007].
FS Date: 7/24/2019 10:59:26 AM

LM Start	1.04	Rating **	M	Issue No.	105 (cont)
LM End	1.04	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_54252_42036.jpg



View of waterward side--appurtenances present pump house, concrete distribution box, screw gate, and power pole.

Photo 2 of 3 : UCIP_FA_2019_54252_42041.jpg



Pump station on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	1.04	Rating **	M	Issue No.	105 (cont)	
LM End	1.04	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.183211 °	39.183211 °	
				-121.943237 °	-121.943237 °	
DWR ID	21412					
Comment Code						
Inspector Comment						
DS_ID:21412						
FS_ID:54252						
EP_NO: 1575						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: 07/24/2019 Permit 9973-1 issued to remove and replace an existing 20-inch steel pipe. (O.Yakimov - DWR UCIP)						
Debris scattered on waterward side. Concrete structure on waterward side shows major cracks on the walls. Will need to notify owner. Need to obtain maintenance records to confirm integrity of pipe. This crossing is referenced in the USACE Periodic Inspection as item						
USACE_CESPK_MRD2_2012_p_0075.						
FIELD_STRUCT_DESC: 20-inch steel irrigation discharge pipe through the levee, 17 feet below the crown. Pump and 10-inch slide gate in a pump house on the waterside (WS). Concrete collar at the WS toe.						
Power pole on the WS slope. Anchor on the landside (LS) slope. Rock revetment on the WS slope. (Plans for installing an irrigation pumping plant and a 20-inch discharge pipe through the levee authorized under Permit No. 1575, 1951 - Meridian Farms Water Company). [Additional						
Reference(s): DWR Levee Log, 2007].						
FS Date: 7/24/2019 10:59:26 AM						

Photo 3 of 3 : UCIP_FA_2019_54252_42042.jpg



Inside view of concrete distribution box located on waterward side.

LM Start	1.23	Rating **	M	Issue No.	99
LM End	1.23	Issue Type +	Ma	Location *	CR
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Crown Surface / Depressions / Rutting			39.180515 °	39.180515 °
				-121.943885 °	-121.943885 °
DWR ID	DWR_RD0070_02_s_2019_99				
Comment Code					
C2 : Repair depressions or ruts in the crown or slope.					
Inspector Comment					

Photo 1 of 1 : FA_2019_RD0070_30_99_20191011_00131.jpg



View of the ruts in the crown surface. Fall 2019.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	1.35	Rating **	M	Issue No.	106	
LM End	1.35	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.178895 °	39.178895 °	
				-121.943340 °	-121.943340 °	
DWR ID	21365					
Comment Code						
Inspector Comment						
DS_ID:21365 FS_ID:23885 EP_NO: 9973 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Cut to levee toe found on landward side. Unable to determine if crossing is being used. If crossing is no longer used by owner, the owner will need to coordinate with DWR Inspector and CVFPB to remove crossing according to Title 23 requirements. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0099. FIELD_STRUCT_DESC: 18-inch steel irrigation discharge pipe through the levee, 18.8 feet below the crown. Slant pump on the waterside (WS). Slide gate on a gate structure on the WS. (Retention of an 18-inch steel pipe through the levee, 18.8 feet below the crown, and a slide gate authorized under Automatic Board Order (ABO) issued as Permit No. 9973, 1974 - Pearl V. Clark). [Additional Reference(s): DWR Levee Log, 2007. USACE Sacramento O&M Manual 134, June 1953, (Station 399+34)]. FS Date: 10/22/2013						

LM Start	1.35	Rating **	M	Issue No.	106 (cont)
LM End	1.35	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_23885_41814.jpg



View of waterward slope.

Photo 2 of 3 : UCIP_FA_2019_23885_41817.jpg



Overview of waterward slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	1.35	Rating **	M	Issue No.	106 (cont)	
LM End	1.35	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.178895 °	39.178895 °	
				-121.943340 °	-121.943340 °	
DWR ID	21365					
Comment Code						
Inspector Comment						
DS_ID:21365 FS_ID:23885 EP_NO: 9973 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Cut to levee toe found on landward side. Unable to determine if crossing is being used. If crossing is no longer used by owner, the owner will need to coordinate with DWR Inspector and CVFPB to remove crossing according to Title 23 requirements. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0099. FIELD_STRUCT_DESC: 18-inch steel irrigation discharge pipe through the levee, 18.8 feet below the crown. Slant pump on the waterside (WS). Slide gate on a gate structure on the WS. (Retention of an 18-inch steel pipe through the levee, 18.8 feet below the crown, and a slide gate authorized under Automatic Board Order (ABO) issued as Permit No. 9973, 1974 - Pearl V. Clark). [Additional Reference(s): DWR Levee Log, 2007. USACE Sacramento O&M Manual 134, June 1953, (Station 399+34)]. FS Date: 10/22/2013						

Photo 3 of 3 : UCIP_FA_2019_23885_41815.jpg



Concrete structure located on waterward side with screw gate.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	1.87	Rating **	M	Issue No.	107	
LM End	1.87	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.172778 °	39.172778 °	
				-121.937791 °	-121.937791 °	
DWR ID	21366					
Comment Code						
Inspector Comment						
DS_ID:21366 FS_ID:23888 EP_NO: 9996 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need inside photo of the concrete distribution box located at the landward toe. Debris found on waterward slope (conduit running parallel to levee). This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0124. FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, 24 feet below the crown. Gate valve in a concrete U-shaped headwall on the waterside (WS) slope. Pump and switch house on the WS shoulder. Discharge box at the landside (LS) toe. (Retention of a 12-inch steel pipe through the levee, 24 feet below the crown, a pump, a gate valve, a switch house, and a discharge box authorized under Automatic Board Order (ABO) issued as Permit No. 9996, 1974 - Chas. F. and Nora M. Reische, et al.). [Additional Reference(s): DWR Levee Log, 2007]. FS Date: 10/22/2013						

LM Start	1.87	Rating **	M	Issue No.	107 (cont)
LM End	1.87	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_23888_41819.jpg



View of levee crown and waterward side.

Photo 2 of 3 : UCIP_FA_2019_23888_41822.jpg



View of slope on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	1.87	Rating **	M	Issue No.	107 (cont)	
LM End	1.87	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.172778 °	39.172778 °	
				-121.937791 °	-121.937791 °	
DWR ID	21366					
Comment Code						
Inspector Comment						
DS_ID:21366 FS_ID:23888 EP_NO: 9996 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need inside photo of the concrete distribution box located at the landward toe. Debris found on waterward slope (conduit running parallel to levee). This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0124. FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, 24 feet below the crown. Gate valve in a concrete U-shaped headwall on the waterside (WS) slope. Pump and switch house on the WS shoulder. Discharge box at the landside (LS) toe. (Retention of a 12-inch steel pipe through the levee, 24 feet below the crown, a pump, a gate valve, a switch house, and a discharge box authorized under Automatic Board Order (ABO) issued as Permit No. 9996, 1974 - Chas. F. and Nora M. Reische, et al.). [Additional Reference(s): DWR Levee Log, 2007]. FS Date: 10/22/2013						

Photo 3 of 3 : UCIP_FA_2019_23888_41821.jpg



View of U-concrete headwall with positive closure device, photo 1 of 2.

LM Start	1.98	Rating **	A/W	Issue No.	98
LM End	1.98	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.171231 °	39.171231 °
				-121.937115 °	-121.937115 °
DWR ID	DWR_RD0070_02_s_2019_98				
Comment Code					
E1 : Note and monitor erosion site.					
Inspector Comment					
Surface runoff is causing erosion/rills.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	2.03	Rating **	A	Issue No.	97
LM End	2.03	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			39.170527 °	39.170527 °
				-121.936891 °	-121.936891 °
DWR ID	DWR_RD0070_02_s _ 2019_97				
Comment Code					
Inspector Comment					
RD placed stakes to mark the location of boils. Continue monitoring the location during high water.					

No Photos

LM Start	2.03	Rating **	C	Issue No.	96
LM End	2.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.170526 °	39.170526 °
				-121.936880 °	-121.936880 °
DWR ID	DWR_RD0070_02_s _ 2019_96				
Comment Code					
A1 : Exterminate rodents and backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	2.16	Rating **	M	Issue No.	1
LM End	2.32	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.168854 °	39.166503 °
				-121.936223 °	-121.935547 °
DWR ID	DWR_RD0070_02_s _ 2012_1				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 1 : FA_2019_RD0070_30_1_20190822_00001.jpg



Agricultural ditch along the landside toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	2.40	Rating **	M	Issue No.	49
LM End	2.40	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.165462 °	39.165462 °
				-121.935244 °	-121.935244 °
DWR ID	DWR_RD0070_02_f_2016_49				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	2.61	Rating **	M	Issue No.	108	
LM End	2.61	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.162424 °	39.162424 °	
				-121.934201 °	-121.934201 °	
DWR ID	21368					
Comment Code						
Inspector Comment						
DS_ID:21368 FS_ID:23891 EP_NO: 9969 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Landward slope too steep--need photo of the inside of concrete distribution box. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0158. FIELD_STRUCT_DESC: 20-inch (not 24-inch as mentioned in the permit) steel irrigation discharge pipe through the levee, 27 feet below the crown. Corrugated metal cutoff wall around the pipe at the center of the levee. Pump and gate valve in a pump house on the waterside (WS) slope. Pipe discharges into a concrete box at the landside (LS) toe. (Retention of a 24-inch steel pipe through the levee, 27 feet below the crown, a pump and gate valve, a concrete box, and a service pole authorized under Automatic Board Order (ABO) No. 9969, 1974 - Edwin J. and Vivian L. Burrows). [Additional Reference(s): DWR Levee Log, 2007. USACE Sacramento O&M Manual 134, June 1953, (Station 455+39), 24-inch listed]. FS Date: 10/22/2013						

Photo 1 of 3 : UCIP_FA_2019_23891_41835.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	2.61	Rating **	M	Issue No.	108 (cont)	
LM End	2.61	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.162424 °	39.162424 °	
				-121.934201 °	-121.934201 °	
DWR ID	21368					
Comment Code						
Inspector Comment						
DS_ID:21368 FS_ID:23891 EP_NO: 9969 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Landward slope too steep--need photo of the inside of concrete distribution box. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0158. FIELD_STRUCT_DESC: 20-inch (not 24-inch as mentioned in the permit) steel irrigation discharge pipe through the levee, 27 feet below the crown. Corrugated metal cutoff wall around the pipe at the center of the levee. Pump and gate valve in a pump house on the waterside (WS) slope. Pipe discharges into a concrete box at the landside (LS) toe. (Retention of a 24-inch steel pipe through the levee, 27 feet below the crown, a pump and gate valve, a concrete box, and a service pole authorized under Automatic Board Order (ABO) No. 9969, 1974 - Edwin J. and Vivian L. Burrows). [Additional Reference(s): DWR Levee Log, 2007. USACE Sacramento O&M Manual 134, June 1953, (Station 455+39), 24-inch listed]. FS Date: 10/22/2013						

Photo 2 of 3 : UCIP_FA_2019_23891_41833.jpg



Pump station located on waterward side.

LM Start	2.61	Rating **	M	Issue No.	108 (cont)
LM End	2.61	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2019_23891_41837.jpg



Dense vegetation covers pipe intake on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	2.78	Rating **	M	Issue No.	109
LM End	2.78	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.160540°	39.160540°
				-121.932382°	-121.932382°
DWR ID	21369				
Comment Code					
Inspector Comment					
DS_ID:21369 FS_ID:23892 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: If crossing is no longer used by owner, the owner will need to coordinate with DWR Inspector and CVFPB to remove crossing according to Title 23 requirements. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0167. FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal drainage pipe through the levee, 21 feet below the crown. Slide gate on the waterside (WS) end. (Cat. IVA). [Additional Reference(s): DWR Levee Log, 2007]. FS Date: 10/22/2013					

LM Start	2.78	Rating **	M	Issue No.	109 (cont)
LM End	2.78	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_23892_41839.jpg



View of waterward side.

Photo 2 of 3 : UCIP_FA_2019_23892_41841.jpg



Buried screw gate located on waterward shoulder.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	2.78	Rating **	M	Issue No.	109 (cont)	
LM End	2.78	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.160540 °	39.160540 °	
				-121.932382 °	-121.932382 °	
DWR ID	21369					
Comment Code						
Inspector Comment						
DS_ID:21369 FS_ID:23892 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: If crossing is no longer used by owner, the owner will need to coordinate with DWR Inspector and CVFPB to remove crossing according to Title 23 requirements. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD1_2012_p_0167. FIELD_STRUCT_DESC: *ABANDONED* 24-inch corrugated metal drainage pipe through the levee, 21 feet below the crown. Slide gate on the waterside (WS) end. (Cat. IVA). [Additional Reference(s): DWR Levee Log, 2007]. FS Date: 10/22/2013						

Photo 3 of 3 : UCIP_FA_2019_23892_41840.jpg



Dense vegetation on the waterward edge.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	3.35	Rating **	M	Issue No.	110
LM End	3.35	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.156068 °	39.156068 °
				-121.923453 °	-121.923453 °
DWR ID	21370				
Comment Code					
Inspector Comment					
DS_ID:21370 FS_ID:24115 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No connection present--need to contact owner to determine if owner plans to use. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. This crossing is referenced in the USACE Periodic Inspection as USACE_CESPK_MRD2_2012_p_0197. FIELD_STRUCT_DESC: *ABANDONED* 24-inch drainage pipe of an unknown material through the levee, 18.5 feet below the crown. Slide gate on a concrete gate structure on the berm. [Additional Reference(s): DWR Levee Log, 2007]. FS Date: 10/22/2013					

Photo 1 of 2 : UCIP_FA_2019_24115_42495.jpg



View of waterward side--photo is from USACE PI Report draft final issue USACE_CESPK_MRD2_2012_p_0197.

LM Start	3.35	Rating **	M	Issue No.	110 (cont)
LM End	3.35	Issue Type +	En	Location *	

Photo 2 of 2 : UCIP_FA_2019_24115_42496.jpg



View of landward side--photo is from USACE PI Report draft final issue USACE_CESPK_MRD2_2012_p_0197.

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	3.40	Rating **	M	Issue No.	111	
LM End	3.40	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start		End
Item	DRAFT DWR UCIP Field Study			39.155648 °	39.155648 °	
				-121.922823 °	-121.922823 °	
DWR ID	21371					
Comment Code						
Inspector Comment						
DS_ID:21371						
FS_ID:24117						
EP_NO: N/A						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: No connection present--need to contact owner to determine if owner plans to use. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. This crossing is referenced in the USACE Periodic Inspection as USACE_CESPK_MRD2_2012_p_0197.						
FIELD_STRUCT_DESC: *ABANDONED* 24-inch drainage pipe of an unknown material through the levee, 18.5 feet below the crown. Slide gate on a concrete gate structure on the berm. [Additional Reference(s): DWR Levee Log, 2007].						
FS Date: 10/22/2013						

Photo 1 of 2 : UCIP_FA_2019_24117_42502.jpg



View of pipe on landward side.

LM Start	3.40	Rating **	M	Issue No.	111 (cont)
LM End	3.40	Issue Type +	En	Location *	

Photo 2 of 2 : UCIP_FA_2019_24117_42501.jpg



View of concrete headwall and screw gate on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	3.58	Rating **	C	Issue No.	95
LM End	3.58	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		39.154026°	39.154026°	
			-121.920108°	-121.920108°	
DWR ID	DWR_RD0070_02_s _ 2019_95				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	3.98	Rating **	C	Issue No.	93
LM End	3.98	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.149073°	39.149073°	
			-121.916653°	-121.916653°	
DWR ID	DWR_RD0070_02_s _ 2019_93				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	4.10	Rating **	M	Issue No.	112	
LM End	4.10	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.147298 °	39.147298 °	
				-121.916724 °	-121.916724 °	
DWR ID	21428					
Comment Code						
Inspector Comment						
DS_ID:21428 FS_ID:47028 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pump station will be removed. This crossing will need to be updated once the pump station is removed. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0235. FIELD_STRUCT_DESC: [Meridian Farms Water Company Pumping Plant No. 2] 1 of 4: 2.5-inch steel (not iron, as mentioned in the desk study) electrical conduit through the levee, 1.9 feet below the crown. Two concrete cutoff walls, one at each shoulder. Concrete pump pit on the waterside (WS) slope. Three pumps on a structure on the WS. Walkway to the pumps. Concrete headwall on the landside (LS). Debris deflectors in the river. (Plans for construction of a pumping plant and related facilities to replace an existing plant on the left bank of the Sacramento River authorized under Permit No. 4525, 1964 - Meridian Farms Water Company. Plans for existing pumping plant to be demolished with all pipes removed and replaced with a new Meridian Diversion pumping facility, two retractable fish screens, and a 72-inch gravity feed intake pipe under the levee authorized under Permit No. 18762, 2013 - Meridian Farms Water Company). [Additional Reference(s): DWR Levee Log, 2007]. FS Date: 10/22/2013						

Photo 1 of 1 : UCIP_FA_2019_47028_42570.jpg



Conduits through levee along walkway.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	4.10	Rating **	M	Issue No.	113
LM End	4.10	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.147298 °	39.147298 °
				-121.916724 °	-121.916724 °
DWR ID	21427				

Comment Code

Inspector Comment

DS_ID:21427
 FS_ID:47029
 EP_NO: N/A
 Repair Type: Non-Urgent
 Crossing Status: Found
 UCIP Comments: Pump station to be removed. This record will need to be updated once the pump station is removed. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0235.
 FIELD_STRUCT_DESC: [Meridian Farms Water Company Pumping Plant No. 2] 2 of 4: 2.5-inch steel (not iron, as mentioned in the desk study) electrical conduit through the levee, 1.9 feet below the crown. Two concrete cutoff walls, one at each shoulder. Concrete pump pit on the waterside (WS) slope. Three pumps on a structure on the WS. Walkway to the pumps. Concrete headwall on the landside (LS). Debris deflectors in the river. (Plans for construction of a pumping plant and related facilities to replace an existing plant on the left bank of the Sacramento River authorized under Permit No. 4525, 1964 - Meridian Farms Water Company. Plans for existing pumping plant to be demolished with all pipes removed and replaced with a new Meridian Diversion pumping facility, two retractable fish screens, and a 72-inch gravity feed intake pipe under the levee authorized under Permit No. 18762, 2013 - Meridian Farms Water Company). [Additional Reference(s): DWR Levee Log, 2007].
 FS Date: 10/22/2013

Photo 1 of 1 : UCIP_FA_2019_47029_42511.jpg



Conduits through levee along walkway.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	4.11	Rating **	M	Issue No.	114
LM End	4.11	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.147259 °	39.147259 °
				-121.916725 °	-121.916725 °
DWR ID	21429				

Comment Code

Inspector Comment

DS_ID:21429

FS_ID:47030

EP_NO: N/A

Repair Type: Non-Urgent

Crossing Status: Found

UCIP Comments: Pump is to be demolished will all pipes removed. Will need to update record. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0235. FIELD_STRUCT_DESC: [Meridian Farms Water Company Pumping Plant No. 1] 3 of 4: 42-inch steel irrigation discharge pipe and 2-inch polyvinyl chloride (PVC) electrical conduit through the levee, 24 and 3 feet below the crown, respectively. 42-inch pipe is concrete encased through the levee. Two concrete cutoff walls, one at each shoulder. Slide gate in a surge box on the waterside (WS). Concrete pump pit on the WS slope. Three pumps on a structure on the WS. Walkway to the pumps with an electrical control box. Concrete headwall on the landside (LS). Pipe discharges into a concrete lined irrigation ditch on the LS. Debris deflectors in the river. Power poles on the LS. (Plans to enlarge the Meridian Farms Water Company Pump Station Facility No. 1 by adding a 150-horsepower pump, a 42-inch water pipe, and a 2-inch electrical conduit through the levee authorized under Permit No. 13380, 1982 - Meridian Farms Water Company. Plans for existing pumping plant to be demolished with all pipes removed and replaced with a new Meridian Diversion pumping facility, two retractable fish screens, and a 72-inch gravity feed intake pipe under the levee authorized under Permit No. 18762, 2013 - Meridian Farms Water Company). [Additional Reference(s): DWR Levee Log, 2007].

FS Date: 10/22/2013

Photo 1 of 3 : UCIP_FA_2019_47030_42563.jpg



View of walkway and pump station on waterward side.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	4.11	Rating **	M	Issue No.	114 (cont)
LM End	4.11	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.147259 °	39.147259 °
				-121.916725 °	-121.916725 °
DWR ID	21429				

Comment Code

Inspector Comment

DS_ID:21429
FS_ID:47030
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Pump is to be demolished will all pipes removed. Will need to update record. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0235.
FIELD_STRUCT_DESC: [Meridian Farms Water Company Pumping Plant No. 1] 3 of 4: 42-inch steel irrigation discharge pipe and 2-inch polyvinyl chloride (PVC) electrical conduit through the levee, 24 and 3 feet below the crown, respectively. 42-inch pipe is concrete encased through the levee. Two concrete cutoff walls, one at each shoulder. Slide gate in a surge box on the waterside (WS). Concrete pump pit on the WS slope. Three pumps on a structure on the WS. Walkway to the pumps with an electrical control box. Concrete headwall on the landside (LS). Pipe discharges into a concrete lined irrigation ditch on the LS. Debris deflectors in the river. Power poles on the LS. (Plans to enlarge the Meridian Farms Water Company Pump Station Facility No. 1 by adding a 150-horsepower pump, a 42-inch water pipe, and a 2-inch electrical conduit through the levee authorized under Permit No. 13380, 1982 - Meridian Farms Water Company. Plans for existing pumping plant to be demolished with all pipes removed and replaced with a new Meridian Diversion pumping facility, two retractable fish screens, and a 72-inch gravity feed intake pipe under the levee authorized under Permit No. 18762, 2013 - Meridian Farms Water Company). [Additional Reference(s): DWR Levee Log, 2007].
FS Date: 10/22/2013

Photo 2 of 3 : UCIP_FA_2019_47030_42567.jpg



View of conduit pipes through levee.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	4.11	Rating **	M	Issue No.	114 (cont)							
LM End	4.11	Issue Type +	En	Location *								
Category	Supplemental		GPS Latitude/Longitude									
			Start	End								
Item	DRAFT DWR UCIP Field Study		39.147259 °	39.147259 °								
			-121.916725 °	-121.916725 °								
DWR ID	21429											
Comment Code												
Inspector Comment												
DS_ID:21429 FS_ID:47030 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Pump is to be demolished will all pipes removed. Will need to update record. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0235. FIELD_STRUCT_DESC: [Meridian Farms Water Company Pumping Plant No. 1] 3 of 4: 42-inch steel irrigation discharge pipe and 2-inch polyvinyl chloride (PVC) electrical conduit through the levee, 24 and 3 feet below the crown, respectively. 42-inch pipe is concrete encased through the levee. Two concrete cutoff walls, one at each shoulder. Slide gate in a surge box on the waterside (WS). Concrete pump pit on the WS slope. Three pumps on a structure on the WS. Walkway to the pumps with an electrical control box. Concrete headwall on the landside (LS). Pipe discharges into a concrete lined irrigation ditch on the LS. Debris deflectors in the river. Power poles on the LS. (Plans to enlarge the Meridian Farms Water Company Pump Station Facility No. 1 by adding a 150-horsepower pump, a 42-inch water pipe, and a 2-inch electrical conduit through the levee authorized under Permit No. 13380, 1982 - Meridian Farms Water Company. Plans for existing pumping plant to be demolished with all pipes removed and replaced with a new Meridian Diversion pumping facility, two retractable fish screens, and a 72-inch gravity feed intake pipe under the levee authorized under Permit No. 18762, 2013 - Meridian Farms Water Company). [Additional Reference(s): DWR Levee Log, 2007]. FS Date: 10/22/2013												

Photo 3 of 3 : UCIP_FA_2019_47030_42569.jpg



View of pumps located on waterward side.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	4.11	Rating **	M	Issue No.	115
LM End	4.11	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.147247 °	39.147247 °
				-121.916691 °	-121.916691 °
DWR ID	21373				

Comment Code

Inspector Comment

DS_ID:21373
FS_ID:47032
EP_NO: N/A
Repair Type: Non-Urgent
Crossing Status: Indicator Found
UCIP Comments: Unable to confirm 54-inch pipe only found 42-inch pipe. Pump station is to be removed. Need to update record once crossing has been modified. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0235.
FIELD_STRUCT_DESC: [Meridian Farms Water Company Pumping Plant No. 2] 4 of 4: 54-inch steel irrigation discharge pipe through the levee, 24 feet below the crown. Pipe is concrete encased through the levee. Two concrete cutoff walls, one at each shoulder. Slide gate in a surge box on the waterside (WS). Concrete pump pit on the WS slope. Three pumps on a structure on the WS. Walkway to the pumps. Concrete headwall on the landside (LS). Pipe discharges into a concrete lined irrigation ditch on the LS. Debris deflectors in the river. (Plans for construction of a pumping plant and related facilities to replace an existing plant on the left bank of the Sacramento River authorized under Permit No. 4525, 1964 - Meridian Farms Water Company. Plans for existing pumping plant to be demolished with all pipes removed and replaced with a new Meridian Diversion pumping facility, two retractable fish screens, and a 72-inch gravity feed intake pipe under the levee authorized under Permit No. 18762, 2013 - Meridian Farms Water Company). [Additional Reference(s): DWR Levee Log, 2007].
FS Date: 10/22/2013

LM Start	4.11	Rating **	M	Issue No.	115 (cont)
LM End	4.11	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_47032_42076.jpg



View of walkway and pump station on waterward side.

Photo 2 of 3 : UCIP_FA_2019_47032_42080.jpg



View of conduit pipes through levee.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	4.11	Rating **	M	Issue No.	115 (cont)	
LM End	4.11	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.147247 °	39.147247 °	
				-121.916691 °	-121.916691 °	
DWR ID	21373					
Comment Code						
Inspector Comment						
DS_ID:21373 FS_ID:47032 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Unable to confirm 54-inch pipe only found 42-inch pipe. Pump station is to be removed. Need to update record once crossing has been modified. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0235. FIELD_STRUCT_DESC: [Meridian Farms Water Company Pumping Plant No. 2] 4 of 4: 54-inch steel irrigation discharge pipe through the levee, 24 feet below the crown. Pipe is concrete encased through the levee. Two concrete cutoff walls, one at each shoulder. Slide gate in a surge box on the waterside (WS). Concrete pump pit on the WS slope. Three pumps on a structure on the WS. Walkway to the pumps. Concrete headwall on the landside (LS). Pipe discharges into a concrete lined irrigation ditch on the LS. Debris deflectors in the river. (Plans for construction of a pumping plant and related facilities to replace an existing plant on the left bank of the Sacramento River authorized under Permit No. 4525, 1964 - Meridian Farms Water Company. Plans for existing pumping plant to be demolished with all pipes removed and replaced with a new Meridian Diversion pumping facility, two retractable fish screens, and a 72-inch gravity feed intake pipe under the levee authorized under Permit No. 18762, 2013 - Meridian Farms Water Company). [Additional Reference(s): DWR Levee Log, 2007]. FS Date: 10/22/2013						

Photo 3 of 3 : UCIP_FA_2019_47032_42082.jpg



View of pumps located on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	4.12	Rating **	M	Issue No.	116
LM End	4.12	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.147072 °	39.147072 °
				-121.916783 °	-121.916783 °
DWR ID	21374				
Comment Code					
Inspector Comment					
DS_ID:21374 FS_ID:24165 EP_NO: 767 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine if crossing is still active and to determine last inspection date. Will need copy of letter showing crossings passed inspection. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0237. FIELD_STRUCT_DESC: 3-inch steel natural gas pipeline (not 3.5-inch, as mentioned in the desk study) through the levee, 3 feet below the crown. 8-foot by 10-foot by 1-foot concrete inspection well with a metal cover on the waterside (WS) shoulder. Rock revetment on the WS slope. Painted aluminum marker on the WS. Contact information provided on marker: (916) 742-7344 and for emergencies call (916) 742-3251. (Plans for the construction of a natural gas pipeline across the Sacramento River and the east and west levees thereof authorized under Permit No. 767, 1938 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log, 2007]. FS Date: 10/22/2013					

LM Start	4.12	Rating **	M	Issue No.	116 (cont)
LM End	4.12	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_24165_42573.jpg



View of levee crown.

Photo 2 of 3 : UCIP_FA_2019_24165_42575.jpg



Concrete headwall on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	4.12	Rating **	M	Issue No.	116 (cont)	
LM End	4.12	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.147072 °	39.147072 °	
				-121.916783 °	-121.916783 °	
DWR ID	21374					
Comment Code						
Inspector Comment						
DS_ID:21374 FS_ID:24165 EP_NO: 767 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine if crossing is still active and to determine last inspection date. Will need copy of letter showing crossings passed inspection. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0237. FIELD_STRUCT_DESC: 3-inch steel natural gas pipeline (not 3.5-inch, as mentioned in the desk study) through the levee, 3 feet below the crown. 8-foot by 10-foot by 1-foot concrete inspection well with a metal cover on the waterside (WS) shoulder. Rock revetment on the WS slope. Painted aluminum marker on the WS. Contact information provided on marker: (916) 742-7344 and for emergencies call (916) 742-3251. (Plans for the construction of a natural gas pipeline across the Sacramento River and the east and west levees thereof authorized under Permit No. 767, 1938 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log, 2007]. FS Date: 10/22/2013						

Photo 3 of 3 : UCIP_FA_2019_24165_42576.jpg



Gas line sign located on waterward side--sign in bad shape.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	4.17	Rating **	M	Issue No.	117
LM End	4.17	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.146374 °	39.146374 °
				-121.916980 °	-121.916980 °
DWR ID	21375				
Comment Code					
Inspector Comment					
DS_ID:21375 FS_ID:23959 EP_NO: 1123 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: No connection present. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0240. FIELD_STRUCT_DESC: 1 of 3: 10-inch water supply pipe of an unknown material through the levee, 2 feet below the crown. Seed washing plant with concrete catch basin and pan on the landside (LS) slope. Concrete sump on the waterside (WS) slope. Intake pump on the WS slope. (Plans for installing a seed washer on the LS slope and influent and effluent pipes through the levee authorized under Permit No. 1123, 1946 - G. J. Reitter). [Additional Reference(s): DWR Levee Log, 2007. USACE Sacramento O&M Manual 134, June 1953, (Station 496+25)]. FS Date: 10/22/2013					

Photo 1 of 1 : UCIP_FA_2019_23959_42096.jpg



Concrete headwall located on landward side--no pipe. Only visible pipe is the pipe located at the far left (downstream end).

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	4.17	Rating **	M	Issue No.	118	
LM End	4.17	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.146331 °	39.146331 °	
				-121.916985 °	-121.916985 °	
DWR ID	21424					
Comment Code						
Inspector Comment						
DS_ID:21424 FS_ID:23960 EP_NO: 1123 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: No connection present. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0240. FIELD_STRUCT_DESC: 2 of 3: 4-inch water supply pipe of an unknown material through the levee, 2 feet below the crown. Seed washing plant with concrete catch basin and pan on the landside (LS) slope. Concrete sump on the waterside (WS) slope. Intake pump on the WS slope. (Plans for installing a seed washer on the LS slope and influent and effluent pipes through the levee authorized under Permit No. 1123, 1946 - G. J. Reitter). [Additional Reference(s): DWR Levee Log, 2007. USACE Sacramento O&M Manual 134, June 1953, (Station 496+25)]. FS Date: 10/22/2013						

Photo 1 of 1 : UCIP_FA_2019_23960_42097.jpg



Concrete headwall located on landward side--no pipe. Only visible pipe is the pipe located at the far left (downstream end).

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	4.17	Rating **	M	Issue No.	119					
LM End	4.17	Issue Type +	En	Location *						
Category	Supplemental			GPS Latitude/Longitude						
				Start	End					
Item	DRAFT DWR UCIP Field Study			39.146298 °	39.146298 °					
				-121.916993 °	-121.916993 °					
DWR ID	21425									
Comment Code										
Inspector Comment										
DS_ID:21425 FS_ID:23961 EP_NO: 1123 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: No connection present. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0240. FIELD_STRUCT_DESC: 3 of 3: 8-inch water supply pipe of an unknown material through the levee, 2 feet below the crown. Seed washing plant with concrete catch basin and pan on the landside (LS) slope. Concrete sump on the waterside (WS) slope. Intake pump on the WS slope. [Additional Reference(s): USACE Sacramento O&M Manual 134, June 1953, (Station 496+25)]. FS Date: 10/22/2013										

Photo 1 of 1 : UCIP_FA_2019_23961_42098.jpg



Concrete headwall located on landward side--no pipe. Only visible pipe is the pipe located at the far left (downstream end).

LM Start	4.26	Rating **	A/W	Issue No.	90					
LM End	4.43	Issue Type +	Ma	Location *	CR					
Category	Earthen Levee			GPS Latitude/Longitude						
				Start	End					
Item	Crown Surface / Depressions / Rutting			39.145075 °	39.142673 °					
				-121.917203 °	-121.918015 °					
DWR ID	DWR_RD0070_02_f_2019_90									
Comment Code										
C3 : Add appropriate gravel or road base. Grade and compact.										
Inspector Comment										

No Photos

* Location
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

** Rating
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	4.27	Rating **	M	Issue No.	91
LM End	4.34	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.144840°	39.143892°	
			-121.917259°	-121.917547°	
DWR ID	DWR_RD0070_02_s_2019_91				
Comment Code					
FE : Fence					
Inspector Comment					

No Photos

LM Start	4.31	Rating **	C	Issue No.	51
LM End	4.31	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		39.144305°	39.144305°	
			-121.917400°	-121.917400°	
DWR ID	DWR_RD0070_02_f_2016_51				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

LM Start	4.35	Rating **	U	Issue No.	92
LM End	4.35	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.143750°	39.143750°	
			-121.917460°	-121.917460°	
DWR ID	DWR_RD0070_02_s_2019_92				
Comment Code					
BU : Building					
Inspector Comment					

Photo 1 of 1 : FA_2019_RD0070_30_92_20190822_00025.jpg



View of the unpermitted outbuilding at the landside toe. Spring 2019.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	4.55	Rating **	M	Issue No.	120
LM End	4.55	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.141254 °	39.141254 °
				-121.919221 °	-121.919221 °
DWR ID	21379				

Comment Code

Inspector Comment

DS_ID:21379

FS_ID:23962

EP_NO: 9998

Repair Type: Non-Urgent

Crossing Status: Found

UCIP Comments: Unable to confirm if crossing corresponds to permit 9998. Pipe size is different then the pipe size listed in the desk study. Unable to confirm if structure on landward side is a pump house. Need to coordinate with owner to obtain permit record for crossing. Need to verify status of crossing. Permit authorized 24 inch pipe. Pipe through levee is 30 inches. Unable to find stand pipe in field. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0264.

FIELD_STRUCT_DESC: 30-inch (not 24-inch as indicated in desk study) corrugated metal irrigation discharge pipe through the levee, 15.5 feet below the crown. Slide gate in a concrete distribution box at the landside (LS) toe. Pump in a pump house on the LS. Service pole and ramp on the waterside (WS) slope. Concrete box with air vents on the WS end. (Retention of a 24-inch corrugated metal pipe (CMP) through the levee, 15.5 feet below the crown, a pump, a slide gate, a service pole, and a concrete distribution box authorized under Automatic Board Order (ABO) issued as Permit No. 9998, 1974 - Robert Tod Ruse, Trustee. Plans to install an 18-inch polyvinyl chloride (PVC) pipe through an existing 24-inch steel pipe under the levee with annular space grouted authorized under Permit No. 16228, 1994 - Mike and Carol Churkin). [Additional Reference(s): DWR Levee Log, 2007. USACE Sacramento O&M Manual 134, June 1953, (Station 516+06)]. FS Date: 10/22/2013

Photo 1 of 3 : UCIP_FA_2019_23962_42099.jpg



View of pump house located on waterward side.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	4.55	Rating **	M	Issue No.	120 (cont)
LM End	4.55	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.141254 °	39.141254 °
				-121.919221 °	-121.919221 °
DWR ID	21379				

Comment Code

Inspector Comment

DS_ID:21379

FS_ID:23962

EP_NO: 9998

Repair Type: Non-Urgent

Crossing Status: Found

UCIP Comments: Unable to confirm if crossing corresponds to permit 9998. Pipe size is different then the pipe size listed in the desk study. Unable to confirm if structure on landward side is a pump house. Need to coordinate with owner to obtain permit record for crossing. Need to verify status of crossing. Permit authorized 24 inch pipe. Pipe through levee is 30 inches. Unable to find stand pipe in field. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0264.

FIELD_STRUCT_DESC: 30-inch (not 24-inch as indicated in desk study) corrugated metal irrigation discharge pipe through the levee, 15.5 feet below the crown. Slide gate in a concrete distribution box at the landside (LS) toe. Pump in a pump house on the LS. Service pole and ramp on the waterside (WS) slope. Concrete box with air vents on the WS end. (Retention of a 24-inch corrugated metal pipe (CMP) through the levee, 15.5 feet below the crown, a pump, a slide gate, a service pole, and a concrete distribution box authorized under Automatic Board Order (ABO) issued as Permit No. 9998, 1974 - Robert Tod Ruse, Trustee. Plans to install an 18-inch polyvinyl chloride (PVC) pipe through an existing 24-inch steel pipe under the levee with annular space grouted authorized under Permit No. 16228, 1994 - Mike and Carol Churkin). [Additional Reference(s): DWR Levee Log, 2007. USACE Sacramento O&M Manual 134, June 1953, (Station 516+06)]. FS Date: 10/22/2013

Photo 2 of 3 : UCIP_FA_2019_23962_42104.jpg



Positive closure device located at the waterward side inside concrete distribution box.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	4.55	Rating **	M	Issue No.	120 (cont)
LM End	4.55	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		39.141254 °	39.141254 °	
			-121.919221 °	-121.919221 °	

DWR ID	21379
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Comment Code

Inspector Comment

DS_ID:21379

FS_ID:23962

EP_NO: 9998

Repair Type: Non-Urgent

Crossing Status: Found

UCIP Comments: Unable to confirm if crossing corresponds to permit 9998. Pipe size is different then the pipe size listed in the desk study. Unable to confirm if structure on landward side is a pump house. Need to coordinate with owner to obtain permit record for crossing. Need to verify status of crossing. Permit authorized 24 inch pipe. Pipe through levee is 30 inches. Unable to find stand pipe in field. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0264.

FIELD_STRUCT_DESC: 30-inch (not 24-inch as indicated in desk study) corrugated metal irrigation discharge pipe through the levee, 15.5 feet below the crown. Slide gate in a concrete distribution box at the landside (LS) toe. Pump in a pump house on the LS. Service pole and ramp on the waterside (WS) slope. Concrete box with air vents on the WS end. (Retention of a 24-inch corrugated metal pipe (CMP) through the levee, 15.5 feet below the crown, a pump, a slide gate, a service pole, and a concrete distribution box authorized under Automatic Board Order (ABO) issued as Permit No. 9998, 1974 - Robert Tod Ruse, Trustee. Plans to install an 18-inch polyvinyl chloride (PVC) pipe through an existing 24-inch steel pipe under the levee with annular space grouted authorized under Permit No. 16228, 1994 - Mike and Carol Churkin). [Additional Reference(s): DWR Levee Log, 2007. USACE Sacramento O&M Manual 134, June 1953, (Station 516+06)]. FS Date: 10/22/2013

Photo 3 of 3 : UCIP_FA_2019_23962_42101.jpg



Photo of the concrete distribution box located on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	4.59	Rating **	M	Issue No.	53
LM End	4.59	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.140975 °	39.140975 °
				-121.919907 °	-121.919907 °
DWR ID	DWR_RD0070_02_f_2016_53				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove prunings from the landside toe.					

Photo 1 of 1 : FA_2019_RD0070_30_53_20190822_00004.jpg



View of the prunings along the landside toe.

LM Start	4.76	Rating **	M	Issue No.	121
LM End	4.76	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.141136 °	39.141136 °
				-121.922785 °	-121.922785 °
DWR ID	21380				
Comment Code					
Inspector Comment					
DS_ID:21380 FS_ID:24166 EP_NO: 9970 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to coordinate with owner to determine status of crossing. No pump is located inside the pump house located on waterward side. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0274. FIELD_STRUCT_DESC: 10-inch steel irrigation discharge pipe through the levee, 4.8 feet below the crown. Corrugated metal cutoff wall around the pipe at the center of the levee. Siphon breaker on the landside (LS) slope, not found. Pump in a pump house on the waterside (WS) shoulder. Shutoff valve on the LS. Concrete discharge box at the LS toe. (Retention of a 10-inch steel pipe through the levee, 4.8 feet below the crown, a pump, a service pole, a siphon breaker, and a concrete discharge box authorized under Automatic Board Order (ABO) issued as Permit No. 9970, 1974 - Arnold Chesini). [Additional Reference(s): DWR Levee Log, 2007. USACE Sacramento O&M Manual 134, June 1953, (Station 526+71)]. FS Date: 10/22/2013					

Photo 1 of 3 : UCIP_FA_2019_24166_42581.jpg



Enter photo 7 description or comment here.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

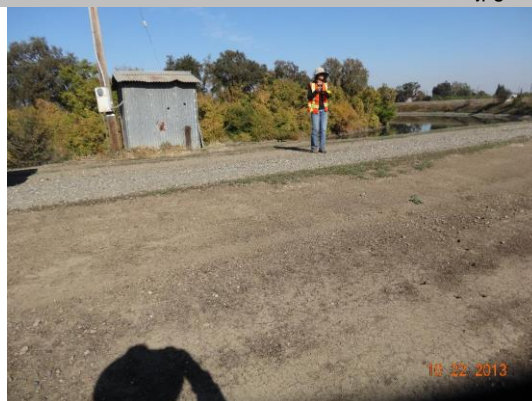
Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	4.76	Rating **	M	Issue No.	121 (cont)	
LM End	4.76	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.141136 °	39.141136 °	
				-121.922785 °	-121.922785 °	
DWR ID	21380					
Comment Code						
Inspector Comment						
DS_ID:21380 FS_ID:24166 EP_NO: 9970 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to coordinate with owner to determine status of crossing. No pump is located inside the pump house located on waterward side. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0274. FIELD_STRUCT_DESC: 10-inch steel irrigation discharge pipe through the levee, 4.8 feet below the crown. Corrugated metal cutoff wall around the pipe at the center of the levee. Siphon breaker on the landside (LS) slope, not found. Pump in a pump house on the waterside (WS) shoulder. Shutoff valve on the LS. Concrete discharge box at the LS toe. (Retention of a 10-inch steel pipe through the levee, 4.8 feet below the crown, a pump, a service pole, a siphon breaker, and a concrete discharge box authorized under Automatic Board Order (ABO) issued as Permit No. 9970, 1974 - Arnold Chesini). [Additional Reference(s): DWR Levee Log, 2007. USACE Sacramento O&M Manual 134, June 1953, (Station 526+71)]. FS Date: 10/22/2013						

LM Start	4.76	Rating **	M	Issue No.	121 (cont)
LM End	4.76	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_24166_42580.jpg



View of levee crown and pump house photo taken from landward side.

Photo 3 of 3 : UCIP_FA_2019_24166_42583.jpg



View of the inside of pump house--no pump.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 0070 Meridian

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	5.03	Rating **	U	Issue No.	89 (cont)	
LM End	5.08	Issue Type +	Ma	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start		End
Item	Animal Control			39.141997 °		39.141905 °
				-121.927776 °		-121.928654 °
DWR ID	DWR_RD0070_02_s_2019_89					
Comment Code						
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.						
Inspector Comment						

Photo 2 of 3 : FA_2019_RD0070_30_89_20190822_00023.jpg



Another view of the rodent burrows on the landside slope. Spring 2019.

LM Start	5.03	Rating **	U	Issue No.	89 (cont)
LM End	5.08	Issue Type +	Ma	Location *	LS

Photo 3 of 3 : FA_2019_RD0070_30_89_20190822_00024.jpg



Upclose view of a large rodent burrow. Spring 2019.

LM Start	5.08	Rating **	C	Issue No.	47
LM End	5.08	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.141938 °	39.141938 °
				-121.928597 °	-121.928597 °
DWR ID	DWR_RD0070_02_s_2018_47				
Comment Code					
PR : Prunings					
Inspector Comment					
The prunings should be removed from the landside toe.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	5.30	Rating **	M	Issue No.	122	
LM End	5.30	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.142049 °	39.142049 °	
				-121.932651 °	-121.932651 °	
DWR ID	21383					
Comment Code						
Inspector Comment						
DS_ID:21383 FS_ID:23964 EP_NO: 9984 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Will need to contact owner. Need to obtain maintenance records and clarify modifications made at to crossing (size). Additional crossing visible through concrete headwall on landward side--crossing has been capped (see photo). NEED TO CONFIRM PIPE SIZE!!! This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0289. FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe (not 24-inch, as referenced in the permit) through the levee, 13.8 feet below the crown. Gate valve on the waterside (WS). Pump in a pump house on the WS. Concrete distribution box at the landside (LS) toe. (Retention of a 24-inch steel pipe through the levee, 13.8 feet below the crown, a pump, a gate valve, and a concrete distribution box authorized under Automatic Board Order (ABO) issued as Permit No. 9984, 1974 - Edward E. and Alice B. Lemos, et al.). [Additional Reference(s): DWR Levee Log, 2007. USACE Sacramento O&M Manual 134, June 1953, (Station 555+09), 24-inch listed]. FS Date: 10/22/2013						

LM Start	5.30	Rating **	M	Issue No.	122 (cont)
LM End	5.30	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_23964_42114.jpg



Pump house located on waterward side.

Photo 2 of 3 : UCIP_FA_2019_23964_42116.jpg



No pipe exists the pump house on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	5.30	Rating **	M	Issue No.	122 (cont)	
LM End	5.30	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.142049 °	39.142049 °	
				-121.932651 °	-121.932651 °	
DWR ID	21383					
Comment Code						
Inspector Comment						
DS_ID:21383 FS_ID:23964 EP_NO: 9984 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Will need to contact owner. Need to obtain maintenance records and clarify modifications made at to crossing (size). Additional crossing visible through concrete headwall on landward side--crossing has been capped (see photo). NEED TO CONFIRM PIPE SIZE!!! This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0289. FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe (not 24-inch, as referenced in the permit) through the levee, 13.8 feet below the crown. Gate valve on the waterside (WS). Pump in a pump house on the WS. Concrete distribution box at the landside (LS) toe. (Retention of a 24-inch steel pipe through the levee, 13.8 feet below the crown, a pump, a gate valve, and a concrete distribution box authorized under Automatic Board Order (ABO) issued as Permit No. 9984, 1974 - Edward E. and Alice B. Lemos, et al.). [Additional Reference(s): DWR Levee Log, 2007. USACE Sacramento O&M Manual 134, June 1953, (Station 555+09), 24-inch listed]. FS Date: 10/22/2013						

Photo 3 of 3 : UCIP_FA_2019_23964_42113.jpg



Crossing appears altered on waterward side.

LM Start	5.67	Rating **	C	Issue No.	88
LM End	5.67	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.142525 °	39.142525 °
				-121.938499 °	-121.938499 °
DWR ID	DWR_RD0070_02_s_2019_88				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	6.06	Rating **	M	Issue No.	87							
LM End	6.06	Issue Type +	En	Location *	LS							
Category	Earthen Levee		GPS Latitude/Longitude									
			Start	End								
Item	Encroachments		39.136889 °	39.136889 °								
			-121.938419 °	-121.938419 °								
DWR ID	DWR_RD0070_02_s_2019_87											
Comment Code												
DE : Debris												
Inspector Comment												
The concrete pipe and other debris should be removed from the landside slope and toe.												

No Photos

LM Start	6.28	Rating **	M	Issue No.	123							
LM End	6.28	Issue Type +	En	Location *								
Category	Supplemental		GPS Latitude/Longitude									
			Start	End								
Item	DRAFT DWR UCIP Field Study		39.133847 °	39.133847 °								
			-121.937689 °	-121.937689 °								
DWR ID	21385											
Comment Code												
Inspector Comment												
DS_ID:21385 FS_ID:23965 EP_NO: 4383 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine if crossing is still active and to determine last inspection date. Will need copy of letter showing crossings passed inspection. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0319. FIELD_STRUCT_DESC: 8.625-inch steel natural gas pipeline through the levee, 3.5 feet below the crown. Concrete cutoff wall around the pipe at the center of the levee. Rock revetment on the waterside (WS) slope. (Plans for construction, maintenance, and use of an 8.625-inch gas line authorized under Permit No. 4383, 1963 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log, 2007]. FS Date: 10/23/2013												

Photo 1 of 3 : UCIP_FA_2019_23965_42123.jpg



Markers visible on both levee shoulders.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable	A : Acceptable	Ma : Maintenance Deficiency
WS : Water Side	M : Minimally Acceptable	Ob : Design & System Obsolescence
CR : Crown	U : Unacceptable	En : Enforcement
	N : Not Inspected/Rated	
	C : Corrected	
	A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	6.28	Rating **	M	Issue No.	123 (cont)	
LM End	6.28	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.133847 °	39.133847 °	
				-121.937689 °	-121.937689 °	
DWR ID	21385					
Comment Code						
Inspector Comment						
DS_ID:21385 FS_ID:23965 EP_NO: 4383 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to contact owner to determine if crossing is still active and to determine last inspection date. Will need copy of letter showing crossings passed inspection. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0319. FIELD_STRUCT_DESC: 8.625-inch steel natural gas pipeline through the levee, 3.5 feet below the crown. Concrete cutoff wall around the pipe at the center of the levee. Rock revetment on the waterside (WS) slope. (Plans for construction, maintenance, and use of an 8.625-inch gas line authorized under Permit No. 4383, 1963 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log, 2007]. FS Date: 10/23/2013						

LM Start	6.28	Rating **	M	Issue No.	123 (cont)
LM End	6.28	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_23965_42121.jpg



View of waterward slope.

Photo 3 of 3 : UCIP_FA_2019_23965_42122.jpg



Sign visible on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	6.32	Rating **	M	Issue No.	56
LM End	7.09	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.133450 °	39.129024 °
				-121.937361 °	-121.924632 °
DWR ID	DWR_RD0070_02_f _ 2016_56				
Comment Code					
DT : Ditch					
Inspector Comment					

Photo 1 of 1 : FA_2019_RD0070_30_56_20190822_00006.jpg



View of a ditch at the landside toe.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	6.33	Rating **	M	Issue No.	124
LM End	6.33	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.133219 °	39.133219 °
				-121.937169 °	-121.937169 °
DWR ID	21386				
Comment Code					

Comment Code

Inspector Comment

DS_ID:21386
FS_ID:46424
EP_NO: 9994
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 07/28/2015 System was running during site visit. Damage to landward side has been repaired. No records available to determine cause of erosion--monitor. No other issues observed during site visit. 10/23/2013 Erosion visible on landward side behind concrete headwall. Plastic sheeting has been placed to protect slope. Need to determine cause for erosion, is pipe leaking? Pipe wall on landward side has deteriorated significantly that the wall is gone. Owner will need to coordinate with DWR inspector and CVFPB to address issue. Recommend notifying owner to stop using crossing until issue has been addressed. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0324.
FIELD_STRUCT_DESC: 20-inch coated steel irrigation discharge pipe on the waterside (WS) and 24-inch coated steel irrigation discharge pipe on the landside (LS) through the levee, 12.5 feet below the crown. Pipe is concrete encased under the crown, between the shoulders. Slide gate in a metal well on the WS slope. Pump on a pile structure in the stream. Concrete discharge box at the LS toe. Service pole on the WS slope. (Plans for the installation of an irrigation pumping plant and appurtenant electrical power line across the levee authorized under Permit No. 1202, 19 - Hannah R. Jacobs. Retention of a 24-inch concrete encased steel pipe through the levee, 12.5 feet below the crown, a pump, a slide gate, and a concrete discharge box authorized under Automatic Board Order (ABO) issued as Permit No. 9994, 1974 - R. X. Ranch Company). [Additional Reference(s): DWR Levee Log, 2007. USACE Sacramento O&M Manual 134, June 1953, (Station 610+84)].
FS Date: 7/28/2015 3:46:00 PM

Photo 1 of 3 : UCIP_FA_2019_46424_42043.jpg



View of levee slope and berm on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	6.33	Rating **	M	Issue No.	124 (cont)
LM End	6.33	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.133219 °	39.133219 °
				-121.937169 °	-121.937169 °
DWR ID	21386				

Comment Code

Inspector Comment

DS_ID:21386
FS_ID:46424
EP_NO: 9994
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 07/28/2015 System was running during site visit. Damage to landward side has been repaired. No records available to determine cause of erosion--monitor. No other issues observed during site visit. 10/23/2013 Erosion visible on landward side behind concrete headwall. Plastic sheeting has been placed to protect slope. Need to determine cause for erosion, is pipe leaking? Pipe wall on landward side has deteriorated significantly that the wall is gone. Owner will need to coordinate with DWR inspector and CVFPB to address issue. Recommend notifying owner to stop using crossing until issue has been addressed. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0324.
FIELD_STRUCT_DESC: 20-inch coated steel irrigation discharge pipe on the waterside (WS) and 24-inch coated steel irrigation discharge pipe on the landside (LS) through the levee, 12.5 feet below the crown. Pipe is concrete encased under the crown, between the shoulders. Slide gate in a metal well on the WS slope. Pump on a pile structure in the stream. Concrete discharge box at the LS toe. Service pole on the WS slope. (Plans for the installation of an irrigation pumping plant and appurtenant electrical power line across the levee authorized under Permit No. 1202, 19 - Hannah R. Jacobs. Retention of a 24-inch concrete encased steel pipe through the levee, 12.5 feet below the crown, a pump, a slide gate, and a concrete discharge box authorized under Automatic Board Order (ABO) issued as Permit No. 9994, 1974 - R. X. Ranch Company). [Additional Reference(s): DWR Levee Log, 2007. USACE Sacramento O&M Manual 134, June 1953, (Station 610+84)].
FS Date: 7/28/2015 3:46:00 PM

Photo 2 of 3 : UCIP_FA_2019_46424_42049.jpg



Pipe and pump set up on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	6.33	Rating **	M	Issue No.	124 (cont)
LM End	6.33	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.133219 °	39.133219 °
				-121.937169 °	-121.937169 °
DWR ID	21386				

Comment Code

Inspector Comment

DS_ID:21386
FS_ID:46424
EP_NO: 9994
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: 07/28/2015 System was running during site visit. Damage to landward side has been repaired. No records available to determine cause of erosion--monitor. No other issues observed during site visit. 10/23/2013 Erosion visible on landward side behind concrete headwall. Plastic sheeting has been placed to protect slope. Need to determine cause for erosion, is pipe leaking? Pipe wall on landward side has deteriorated significantly that the wall is gone. Owner will need to coordinate with DWR inspector and CVFPB to address issue. Recommend notifying owner to stop using crossing until issue has been addressed. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0324.
FIELD_STRUCT_DESC: 20-inch coated steel irrigation discharge pipe on the waterside (WS) and 24-inch coated steel irrigation discharge pipe on the landside (LS) through the levee, 12.5 feet below the crown. Pipe is concrete encased under the crown, between the shoulders. Slide gate in a metal well on the WS slope. Pump on a pile structure in the stream. Concrete discharge box at the LS toe. Service pole on the WS slope. (Plans for the installation of an irrigation pumping plant and appurtenant electrical power line across the levee authorized under Permit No. 1202, 19 - Hannah R. Jacobs. Retention of a 24-inch concrete encased steel pipe through the levee, 12.5 feet below the crown, a pump, a slide gate, and a concrete discharge box authorized under Automatic Board Order (ABO) issued as Permit No. 9994, 1974 - R. X. Ranch Company). [Additional Reference(s): DWR Levee Log, 2007. USACE Sacramento O&M Manual 134, June 1953, (Station 610+84)].
FS Date: 7/28/2015 3:46:00 PM

Photo 3 of 3 : UCIP_FA_2019_46424_42047.jpg



Stairs and platform located on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	6.42	Rating **	A/W	Issue No.	83
LM End	6.54	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			39.132040 °	39.130900 °
				-121.936521 °	-121.934690 °
DWR ID	DWR_RD0070_02_f_2018_83				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 131.8 L					
Status: Eroding					
2017 Field Notes: Difficult to observe with excessive vegetation growth.					
Site History: 2005 - (known as 132) On inside of bend. Erosion of berm toe. Levee slope is steep. Erosion probably due to eddy scour off upstream cobble. 2009 - Groins may be a good option for repair.					
2010 - Scour off the upstream rock, some new erosion. 2011 - Site extended downstream. 2012 - Minor new erosion since last year and new animal holes. 2012 - Minor new erosion since last year and new animal holes. 2013 - New tree popout.					

No Photos

LM Start	6.98	Rating **	M	Issue No.	86
LM End	7.04	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.129602°	39.129366°
				-121.926564°	-121.925436°
DWR ID	DWR_RD0070_02_s_2019_86				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	7.18	Rating **	C	Issue No.	57
LM End	7.18	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.128114 °	39.128114 °
				-121.923429 °	-121.923429 °
DWR ID	DWR_RD0070_02_f_2016_57				
Comment Code					
DT : Ditch					
Inspector Comment					

No Photos

LM Start	7.64	Rating **	M	Issue No.	58
LM End	7.64	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.124479 °	39.124479 °
				-121.917081 °	-121.917081 °
DWR ID	DWR_RD0070_02_f_2016_58				
Comment Code					
PR : Prunings					
Inspector Comment					
Remove prunings from the landside toe.					

Photo 1 of 1 : FA_2019_RD0070_30_58_20190822_00008.jpg



View of the prunings along the landside toe.

LM Start	7.68	Rating **	C	Issue No.	85
LM End	7.68	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.124523 °	39.124523 °
				-121.916328 °	-121.916328 °
DWR ID	DWR_RD0070_02_s_2019_85				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	7.74	Rating **	N	Issue No.	59
LM End	7.74	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Trim / Thin Trees			39.124503°	39.124503°
				-121.915252°	-121.915252°
DWR ID	DWR_RD0070_02_f_2016_59				
Comment Code					
T5 : Tree stumps.					
Inspector Comment					

No Photos

LM Start	7.82	Rating **	M	Issue No.	125
LM End	7.82	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.124562 °	39.124562 °
				-121.913758 °	-121.913758 °
DWR ID	21387				
Comment Code					
Inspector Comment					
DS_ID:21387 FS_ID:23966 EP_NO: 9966 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Pipe daylight at waterward side blocked. Unable to determine if connection is present--need to contact owner to determine if owner plans to use. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Unable to determine if crossing is in use. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0371. FIELD_STRUCT_DESC: 10-inch coated steel irrigation discharge pipe and 1.5-inch electrical conduit of an unknown material through the levee, 12 feet and 8 feet below the crown, respectively. Pipe is concrete encased under the crown, between the shoulders. Concrete cutoff wall under each shoulder. Pump and gate valve on a pile structure in the stream. Walkway to the pump. Concrete standpipe on the landside (LS). (retain 10-inch concrete-encased steel pipe, pump and gate valve, concrete standpipe, and two concrete headwalls authorized under Automatic Board Order (ABO) issued as Permit No. 9966, 1976 - Ray and Janice Anderson). [Additional Reference(s): DWR Levee Log, 2007. USACE Sacramento O&M Manual 134, June 1953, (Station 689+50)]. FS Date: 10/23/2013					

Photo 1 of 3 : UCIP_FA_2019_23966_42128.jpg



Pump house located on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	7.82	Rating **	M	Issue No.	125 (cont)	
LM End	7.82	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.124562 °	39.124562 °	
				-121.913758 °	-121.913758 °	
DWR ID	21387					
Comment Code						
Inspector Comment						
DS_ID:21387 FS_ID:23966 EP_NO: 9966 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Pipe daylight at waterward side blocked. Unable to determine if connection is present--need to contact owner to determine if owner plans to use. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. Unable to determine if crossing is in use. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0371. FIELD_STRUCT_DESC: 10-inch coated steel irrigation discharge pipe and 1.5-inch electrical conduit of an unknown material through the levee, 12 feet and 8 feet below the crown, respectively. Pipe is concrete encased under the crown, between the shoulders. Concrete cutoff wall under each shoulder. Pump and gate valve on a pile structure in the stream. Walkway to the pump. Concrete standpipe on the landside (LS). (retain 10-inch concrete-encased steel pipe, pump and gate valve, concrete standpipe, and two concrete headwalls authorized under Automatic Board Order (ABO) issued as Permit No. 9966, 1976 - Ray and Janice Anderson). [Additional Reference(s): DWR Levee Log, 2007. USACE Sacramento O&M Manual 134, June 1953, (Station 689+50)]. FS Date: 10/23/2013						

LM Start	7.82	Rating **	M	Issue No.	125 (cont)
LM End	7.82	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_23966_42126.jpg



Concrete headwall located on waterward side.

Photo 3 of 3 : UCIP_FA_2019_23966_42127.jpg



Stand pipe located on landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	7.92	Rating **	M	Issue No.	126
LM End	7.92	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.124543°	39.124543°
				-121.911996°	-121.911996°
DWR ID	21389				
Comment Code					
Inspector Comment					
DS_ID:21389 FS_ID:24191 EP_NO: 1264 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0124. FIELD_STRUCT_DESC: *ABANDONED* 10-inch (not 14-inch as specified in the permit) irrigation discharge pipe of an unknown material through the levee, 5 feet below the crown. Pump on the waterside (WS). Double concrete discharge box at the landside (LS) toe. (Plans for installing an irrigation pumping plant and a 14-inch steel discharge pipe through the levee authorized under Permit No. 1264, 1948 - Robert Chesney). [Additional Reference(s): DWR Levee Log, 2007]. FS Date: 10/23/2013					

LM Start	7.92	Rating **	M	Issue No.	126 (cont)
LM End	7.92	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_24191_42677.jpg



View of levee crown at crossing.

Photo 2 of 3 : UCIP_FA_2019_24191_42678.jpg



View of waterward side--only pump house of nearby crossing located downstream from crossing.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	7.92	Rating **	M	Issue No.	126 (cont)	
LM End	7.92	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.124543°	39.124543°	
				-121.911996°	-121.911996°	
DWR ID	21389					
Comment Code						
Inspector Comment						
DS_ID:21389 FS_ID:24191 EP_NO: 1264 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0124. FIELD_STRUCT_DESC: *ABANDONED* 10-inch (not 14-inch as specified in the permit) irrigation discharge pipe of an unknown material through the levee, 5 feet below the crown. Pump on the waterside (WS). Double concrete discharge box at the landside (LS) toe. (Plans for installing an irrigation pumping plant and a 14-inch steel discharge pipe through the levee authorized under Permit No. 1264, 1948 - Robert Chesney). [Additional Reference(s): DWR Levee Log, 2007]. FS Date: 10/23/2013						

Photo 3 of 3 : UCIP_FA_2019_24191_42676.jpg



View of landward side--two crossing nearby.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	7.92	Rating **	M	Issue No.	127
LM End	7.92	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.124460 °	39.124460 °
				-121.911932 °	-121.911932 °
DWR ID	21388				

Comment Code

Inspector Comment

DS_ID:21388
FS_ID:24190
EP_NO: 10008
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Concrete distribution box is damage on waterward side. Need to contact owner to determine status of crossing. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0380.
FIELD_STRUCT_DESC: *ABANDONED* 18-inch steel irrigation discharge pipe through the levee, 15 feet below the crown. Pump in a pump house on the waterside (WS). Slide gate on the WS. Concrete distribution box on the landside (LS). During field verification, additional appurtenances were observed. An additional pipe on the LS drains into the concrete distribution box. The concrete distribution box connects to a second set of distribution boxes through a 24-inch reinforced concrete pipe approximately 36 feet upstream of the crossing. Those boxes have a 10-inch pipe which appears to go through the levee. (Retention of an 18-inch corrugated metal pipe (CMP) through the levee, 15 feet below the crown, a pump, a slide gate, and a concrete distribution box authorized under Automatic Board Order (ABO) issued as Permit No. 10008, 1974 - Frances C. Yates). [Additional Reference(s): DWR Levee Log, 2007. USACE Sacramento O&M Manual 134, June 1953, (Station 694+85)].
FS Date: 10/23/2013

LM Start	7.92	Rating **	M	Issue No.	127 (cont)
LM End	7.92	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_24190_42667.jpg



View of levee crown at crossing.

Photo 2 of 3 : UCIP_FA_2019_24190_42668.jpg



Pump house located on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement	
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	7.92	Rating **	M	Issue No.	127 (cont)	
LM End	7.92	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.124460 °	39.124460 °	
				-121.911932 °	-121.911932 °	
DWR ID	21388					
Comment Code						
Inspector Comment						
DS_ID:21388 FS_ID:24190 EP_NO: 10008 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Concrete distribution box is damage on waterward side. Need to contact owner to determine status of crossing. If crossing is no longer in use owner will need to coordinate with DWR inspector and CVFPB to remove according to Title 23 requirements. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0380. FIELD_STRUCT_DESC: *ABANDONED* 18-inch steel irrigation discharge pipe through the levee, 15 feet below the crown. Pump in a pump house on the waterside (WS). Slide gate on the WS. Concrete distribution box on the landside (LS). During field verification, additional appurtenances were observed. An additional pipe on the LS drains into the concrete distribution box. The concrete distribution box connects to a second set of distribution boxes through a 24-inch reinforced concrete pipe approximately 36 feet upstream of the crossing. Those boxes have a 10-inch pipe which appears to go through the levee. (Retention of an 18-inch corrugated metal pipe (CMP) through the levee, 15 feet below the crown, a pump, a slide gate, and a concrete distribution box authorized under Automatic Board Order (ABO) issued as Permit No. 10008, 1974 - Frances C. Yates). [Additional Reference(s): DWR Levee Log, 2007. USACE Sacramento O&M Manual 134, June 1953, (Station 694+85)]. FS Date: 10/23/2013						

Photo 3 of 3 : UCIP_FA_2019_24190_42669.jpg



Damage concrete distribution box located on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	8.10	Rating **	C	Issue No.	60
LM End	8.10	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Trim / Thin Trees		39.122568°	39.122568°	
			-121.909723°	-121.909723°	
DWR ID	DWR_RD0070_02_f_2016_60				
Comment Code					
T1 : Trim trees to at least five feet above ground level.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	8.12	Rating **	M	Issue No.	128
LM End	8.12	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.122347 °	39.122347 °
				-121.909592 °	-121.909592 °
DWR ID	21390				

Comment Code

Inspector Comment

DS_ID:21390

FS_ID:50007

EP_NO: 10371

Repair Type: Non-Urgent

Crossing Status: Found

UCIP Comments: 7/07/2016 Crossing was downgraded from Urgent to Non-Urgent -- siphon breaker leak was repaired back in September 2015. Still need to coordinate with owner for additional details regarding pipe (install date, owner confirmation, and crossing size change from 15-inch to 12-inch). Also dense vegetation visible along pipe on both WS and LS slopes. (DWR UCIP - omagana)9/15/2015 Leak was caused by leaky siphon breaker. Siphon breaker was repaired and a protective encasing around the siphon breaker was installed. Levee was repaired. Need to contact owner to determine additional information regarding the pipe. (DWR UCIP - omagana)7/28/2015 Hole present on waterward slope has gotten worse since last inspection. The hole is located less than 2 feet from S Meridian Road (county road). Dense vegetation on waterward slope limits visual inspection to determine extent of levee damage or cause. According to LMA representative the damage on the slope was caused by leaky siphon breaker. LMA representative has notified owner to stop use of pipe. Based on the extent of the damage visible from prior inspection and the age of the pipe, this pipe would be a good candidate for video or pressure test to confirm the integrity of pipe through levee (county road). Owner will need to coordinate with DWR Inspector and CVFPB to address leaky pipe per Title 23 requirements. (DWR UCIP - omagana)10/23/2013 Pipe leaking on waterward side. Recommend LMA superintendent notify owner to stop using crossing to avoid further damage to levee slope. Owner will need to coordinate with DWR Inspector and CVFPB to address leaky pipe per Title 23 requirements. Also recommend having owner clear out some of the vegetation along the pipe alignment (below pump station) to conduct proper inspection of structure and appurtenances. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0391. (DWR UCIP - omagana)

FIELD_STRUCT_DESC: 12-inch coated steel irrigation discharge pipe and electrical conduit of an unknown material through the levee, 3 and 2 feet below the crown, respectively. Steel cutoff wall around the pipe and conduit at the center of the levee. Siphon breaker in a protective housing on the waterside (WS) shoulder. Discharge structure at the landside (LS) toe. Slant pump on the WS. Power pole on the LS. (Plans to install a slant pump with a 12-inch irrigation pipe through the levee authorized under Permit No. 10371, 1974 - Frances Yates, care of Gillett-Harris-Duranceau/Associates. Plans to install a slant pump and motor in the channel and a discharge pipe through the levee authorized under Permit 10371-A, 1979 - Roy Moresco. Unknown permit authorizing current 12-inch pipe). [Additional Reference(s): DWR Levee

Photo 1 of 3 : UCIP_FA_2019_50007_42684.jpg



Vegetation on WS where leak found.

* Location		** Rating		+ Issue Type	
LS : Land Side	N/A : Not Applicable	A : Acceptable	N : Not Inspected/Rated	Ma : Maintenance Deficiency	
WS : Water Side		M : Minimally Acceptable	C : Corrected	Ob : Design & System Obsolescence	
CR : Crown		U : Unacceptable	A/W : Acceptable but Monitor & Maintain	En : Enforcement	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

Log, 2007].

FS Date: 7/7/2016 10:38:00 AM

LM Start	8.12	Rating **	M	Issue No.	128 (cont)
LM End	8.12	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_50007_42680.jpg



Damage to WS shoulder due to leaky pipe or siphon breaker.

LM Start	8.12	Rating **	M	Issue No.	128 (cont)
LM End	8.12	Issue Type +	En	Location *	

Photo 3 of 3 : UCIP_FA_2019_50007_74614.jpg



Slope damage within 2 feet of County Road.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	8.33	Rating **	C	Issue No.	82
LM End	8.33	Issue Type +	En	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.119832 °	39.119832 °
				-121.907558 °	-121.907558 °
DWR ID	DWR_RD0070_02_s_2019_82				
Comment Code					
PR : Prunings					
Inspector Comment					

No Photos

LM Start	9.00	Rating **	M	Issue No.	129	
LM End	9.00	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.110878 °	39.110878 °	
				-121.902775 °	-121.902775 °	
DWR ID	21423					
Comment Code						
Inspector Comment						
DS_ID:21423 FS_ID:24108 EP_NO: 9971 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Will need to contact owner. Need to obtain maintenance records and clarify modifications made to crossing (size). This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0433. FIELD_STRUCT_DESC: [Meridian Farms Water Company Pumping Plant No. 3] 2 of 3: 16-inch irrigation discharge pipe of an unknown material (not a 30-inch pipe, as mentioned in the desk study) through the levee, 20.5 feet below the crown. Gate valve on the waterside (WS) end. Pump on a pile structure in the stream. Wooden walkway to the pump. Concrete distribution box on the landside (LS). (Retention of a 30-inch steel pipe through the levee, 20.5 feet below the crown, a pump, a gate valve, and a concrete distribution box authorized under Automatic Board Order (ABO) issued as Permit No. 9971, 1974 - Georgia Chesney, Life Estate. Plans to demolish and remove the existing Meridian Diversion Pumping Facility and the existing Drexler Diversion Pumping Facility and to construct a new Meridian Diversion Pumping Facility with two retractable fish screens and a 72-inch gravity feed intake pipe under the levee authorized under Permit No. 18762, 2013 - Meridian Farms Water Company). [Additional Reference(s): DWR Levee Log, 2007]. FS Date: 10/23/2013						

Photo 1 of 3 : UCIP_FA_2019_24108_42463.jpg



View of landward side--pump station and walkway

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	9.00	Rating **	M	Issue No.	129 (cont)	
LM End	9.00	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.110878 °	39.110878 °	
				-121.902775 °	-121.902775 °	
DWR ID	21423					
Comment Code						
Inspector Comment						
DS_ID:21423 FS_ID:24108 EP_NO: 9971 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Will need to contact owner. Need to obtain maintenance records and clarify modifications made to crossing (size). This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0433. FIELD_STRUCT_DESC: [Meridian Farms Water Company Pumping Plant No. 3] 2 of 3: 16-inch irrigation discharge pipe of an unknown material (not a 30-inch pipe, as mentioned in the desk study) through the levee, 20.5 feet below the crown. Gate valve on the waterside (WS) end. Pump on a pile structure in the stream. Wooden walkway to the pump. Concrete distribution box on the landside (LS). (Retention of a 30-inch steel pipe through the levee, 20.5 feet below the crown, a pump, a gate valve, and a concrete distribution box authorized under Automatic Board Order (ABO) issued as Permit No. 9971, 1974 - Georgia Chesney, Life Estate. Plans to demolish and remove the existing Meridian Diversion Pumping Facility and the existing Drexler Diversion Pumping Facility and to construct a new Meridian Diversion Pumping Facility with two retractable fish screens and a 72-inch gravity feed intake pipe under the levee authorized under Permit No. 18762, 2013 - Meridian Farms Water Company). [Additional Reference(s): DWR Levee Log, 2007]. FS Date: 10/23/2013						

LM Start	9.00	Rating **	M	Issue No.	129 (cont)
LM End	9.00	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_24108_42465.jpg



View of 16-inch pipe and 24-inch pipe with screw gate located on waterward side.

Photo 3 of 3 : UCIP_FA_2019_24108_42464.jpg



View of 16-inch pipe and 24-inch pipe located on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	9.01	Rating **	M	Issue No.	130
LM End	9.01	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.110869 °	39.110869 °
				-121.902771 °	-121.902771 °
DWR ID	21394				
Comment Code					
Inspector Comment					
DS_ID:21394 FS_ID:24107 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: This pump station is to be demolished. This crossing will need to be updated once the work has been completed. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0433. FIELD_STRUCT_DESC: [Meridian Farms Water Company Pumping Plant No. 3] 3 of 3: 24-inch irrigation discharge pipe of an unknown material through the levee, 20.5 feet below the crown. Gate valve on the waterside (WS) end. Pump on a pile structure in the stream. Wooden walkway to the pump. Concrete distribution box on the landside (LS). (Plans to demolish and remove the existing Meridian Diversion Pumping Facility and the existing Drexler Diversion Pumping Facility and to construct a new Meridian Diversion Pumping Facility with two retractable fish screens and a 72-inch gravity feed intake pipe under the levee authorized under Permit No. 18762, 2013 - Meridian Farms Water Company). [Additional Reference(s): DWR Levee Log, 2007]. FS Date: 10/23/2013					

LM Start	9.01	Rating **	M	Issue No.	130 (cont)
LM End	9.01	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_24107_42457.jpg



View of waterward side--pump station and walkway.

Photo 2 of 3 : UCIP_FA_2019_24107_42458.jpg



View of 16-inch pipe and 24-inch pipe through levee on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown		** Rating A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain		+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	9.01	Rating **	M	Issue No.	130 (cont)
LM End	9.01	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.110869 °	39.110869 °
				-121.902771 °	-121.902771 °
DWR ID	21394				
Comment Code					
Inspector Comment					
DS_ID:21394 FS_ID:24107 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: This pump station is to be demolished. This crossing will need to be updated once the work has been completed. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0433. FIELD_STRUCT_DESC: [Meridian Farms Water Company Pumping Plant No. 3] 3 of 3: 24-inch irrigation discharge pipe of an unknown material through the levee, 20.5 feet below the crown. Gate valve on the waterside (WS) end. Pump on a pile structure in the stream. Wooden walkway to the pump. Concrete distribution box on the landside (LS). (Plans to demolish and remove the existing Meridian Diversion Pumping Facility and the existing Drexler Diversion Pumping Facility and to construct a new Meridian Diversion Pumping Facility with two retractable fish screens and a 72-inch gravity feed intake pipe under the levee authorized under Permit No. 18762, 2013 - Meridian Farms Water Company). [Additional Reference(s): DWR Levee Log, 2007]. FS Date: 10/23/2013					

Photo 3 of 3 : UCIP_FA_2019_24107_42461.jpg



View of pipes located on waterward side.

LM Start	9.28	Rating **	C	Issue No.	61
LM End	9.28	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.107285 °	39.107285 °
				-121.900753 °	-121.900753 °
DWR ID	DWR_RD0070_02_f_2016_61				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	9.57	Rating **	M	Issue No.	62							
LM End	9.70	Issue Type +	En	Location *	LS							
Category	Earthen Levee		GPS Latitude/Longitude									
			Start	End								
Item	Encroachments		39.103192°	39.101213°								
			-121.899606°	-121.899380°								
DWR ID	DWR_RD0070_02_f_2016_62											
Comment Code												
DT : Ditch												
Inspector Comment												

Photo 1 of 1 : FA_2019_RD0070_30_62_20190822_00010.jpg



View of a ditch along the landside toe.

LM Start	9.69	Rating **	N	Issue No.	63							
LM End	9.69	Issue Type +	Ma	Location *	LS							
Category	Earthen Levee		GPS Latitude/Longitude									
			Start	End								
Item	Trim / Thin Trees		39.101343°	39.101343°								
			-121.899381°	-121.899381°								
DWR ID	DWR_RD0070_02_f_2016_63											
Comment Code												
T5 : Tree stumps.												
Inspector Comment												

No Photos

LM Start	9.81	Rating **	C	Issue No.	80							
LM End	9.81	Issue Type +	Ma	Location *	WS							
Category	Earthen Levee		GPS Latitude/Longitude									
			Start	End								
Item	Encroachments		39.099770°	39.099770°								
			-121.898646°	-121.898646°								
DWR ID	DWR_RD0070_02_s_2019_80											
Comment Code												
TR : Tree or limb												
Inspector Comment												

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	10.00	Rating **	C	Issue No.	4
LM End	10.00	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.097713 °	39.097713 °	
			-121.896492 °	-121.896492 °	
DWR ID	DWR_RD0070_02_s_2016_4				
Comment Code					
PR : Prunings					
Inspector Comment					
The prunings should be removed from the landside slope.					

No Photos

LM Start	10.13	Rating **	M	Issue No.	42
LM End	10.13	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		39.097043 °	39.097043 °	
			-121.894232 °	-121.894232 °	
DWR ID	DWR_RD0070_02_f_2019_42				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

*** Location**
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	10.15	Rating **	M	Issue No.	131
LM End	10.15	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.096935 °	39.096935 °
				-121.893870 °	-121.893870 °
DWR ID	21396				
Comment Code					
Inspector Comment					
DS_ID:21396 FS_ID:23967 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: No evidence of pipe is visible on waterward side. Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0477. FIELD_STRUCT_DESC: *ABANDONED* 12-inch pipe of an unknown material or purpose through the levee, 3.1 feet below the crown. Siphon breaker in a corrugated metal pipe (CMP) riser on the landside (LS) shoulder. Concrete plug on the LS end. Wooden distribution box on the LS at the discharge end. (Cat. IV-A). [Additional Reference(s): DWR Levee Log, 2007. USACE Sacramento O&M Manual 134, June 1953, (Station 813+00)]. FS Date: 10/23/2013					

LM Start	10.15	Rating **	M	Issue No.	131 (cont)
LM End	10.15	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_23967_42129.jpg



View of waterward side.

Photo 2 of 3 : UCIP_FA_2019_23967_42132.jpg



No pipe exists levee on waterward side only CMP riser present on landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	10.15	Rating **	M	Issue No.	131 (cont)
LM End	10.15	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.096935 °	39.096935 °
				-121.893870 °	-121.893870 °
DWR ID	21396				
Comment Code					
Inspector Comment					
DS_ID:21396 FS_ID:23967 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: No evidence of pipe is visible on waterward side. Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0477. FIELD_STRUCT_DESC: *ABANDONED* 12-inch pipe of an unknown material or purpose through the levee, 3.1 feet below the crown. Siphon breaker in a corrugated metal pipe (CMP) riser on the landside (LS) shoulder. Concrete plug on the LS end. Wooden distribution box on the LS at the discharge end. (Cat. IV-A). [Additional Reference(s): DWR Levee Log, 2007. USACE Sacramento O&M Manual 134, June 1953, (Station 813+00)]. FS Date: 10/23/2013					

Photo 3 of 3 : UCIP_FA_2019_23967_42131.jpg



CMP riser located on landward shoulder.

LM Start	10.30	Rating **	C	Issue No.	79
LM End	10.30	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.095102 °	39.095102 °
				-121.892786 °	-121.892786 °
DWR ID	DWR_RD0070_02_s_2019_79				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	10.40	Rating **	M	Issue No.	132
LM End	10.40	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.093712 °	39.093712 °
				-121.892553 °	-121.892553 °
DWR ID	21398				
Comment Code					
Inspector Comment					
DS_ID:21398 FS_ID:24195 EP_NO: 1162 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to verify status of crossing--variation in pipe size. 18 inch pipe listed in desk study and 20 inch pipe found in field. Damage to siphon breaker housing unit. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0482. FIELD_STRUCT_DESC: 1 of 2: 20-inch steel irrigation discharge pipe (not 18-inch, as referenced in the permit) through the levee, 3.7 feet below the crown. Concrete cutoff wall around the pipe at each shoulder. Siphon breaker in a steel pipe riser on the landside (LS) shoulder. Slant pump on a wooden pump structure on the waterside (WS). Corrugated metal pipe (CMP) riser under the pump structure at the WS toe. Distribution box at the LS toe. (Plans for the installation of two 18-inch steel discharge pipes through the levee and a pumping plant in the river authorized under Permit No. 1162, 1946 - Homer and Arthur Andreotti). [Additional Reference(s): DWR Levee Log, 2007. USACE Sacramento O&M Manual 134, June 1953, (Station 824+00)]. FS Date: 10/23/2013					

LM Start	10.40	Rating **	M	Issue No.	132 (cont)
LM End	10.40	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_24195_42686.jpg



View of waterward side pathway behind power pole leads to pump station.

Photo 2 of 3 : UCIP_FA_2019_24195_42685.jpg



Pump station located on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	10.40	Rating **	M	Issue No.	132 (cont)	
LM End	10.40	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.093712 °	39.093712 °	
				-121.892553 °	-121.892553 °	
DWR ID	21398					
Comment Code						
Inspector Comment						
DS_ID:21398 FS_ID:24195 EP_NO: 1162 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to verify status of crossing--variation in pipe size. 18 inch pipe listed in desk study and 20 inch pipe found in field. Damage to siphon breaker housing unit. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0482. FIELD_STRUCT_DESC: 1 of 2: 20-inch steel irrigation discharge pipe (not 18-inch, as referenced in the permit) through the levee, 3.7 feet below the crown. Concrete cutoff wall around the pipe at each shoulder. Siphon breaker in a steel pipe riser on the landside (LS) shoulder. Slant pump on a wooden pump structure on the waterside (WS). Corrugated metal pipe (CMP) riser under the pump structure at the WS toe. Distribution box at the LS toe. (Plans for the installation of two 18-inch steel discharge pipes through the levee and a pumping plant in the river authorized under Permit No. 1162, 1946 - Homer and Arthur Andreotti). [Additional Reference(s): DWR Levee Log, 2007. USACE Sacramento O&M Manual 134, June 1953, (Station 824+00)]. FS Date: 10/23/2013						

Photo 3 of 3 : UCIP_FA_2019_24195_42688.jpg



View of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	10.40	Rating **	M	Issue No.	133
LM End	10.40	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.093699 °	39.093699 °
				-121.892553 °	-121.892553 °
DWR ID	21430				

Comment Code

Inspector Comment

DS_ID:21430
FS_ID:24196
EP_NO: 1162
Repair Type: Non-Urgent
Crossing Status: Found
UCIP Comments: Need to verify status of crossing--variation in pipe size. 18 inch pipe listed in desk study and 20 inch pipe found in field. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0482.
FIELD_STRUCT_DESC: 2 of 2: 20-inch steel irrigation discharge pipe (not 18-inch, as referenced in the permit) through the levee, 3.7 feet below the crown. Concrete cutoff wall around the pipe at each shoulder. Siphon breaker in a steel pipe riser on the landside (LS) shoulder. Slant pump on a wooden pump structure on the waterside (WS). Corrugated metal pipe (CMP) riser under the pump structure at the WS toe. Distribution box at the LS toe. (Plans for the installation of two 18-inch steel discharge pipes through the levee and a pumping plant in the river authorized under Permit No. 1162, 1946 - Homer and Arthur Andreotti). [Additional Reference(s): DWR Levee Log, 2007. USACE Sacramento O&M Manual 134, June 1953, (Station 824+00)].
FS Date: 10/23/2013

LM Start	10.40	Rating **	M	Issue No.	133 (cont)
LM End	10.40	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_24196_42693.jpg



View of waterward side path to pump station is behind the power pole.

Photo 2 of 3 : UCIP_FA_2019_24196_42692.jpg



Pump station on waterward side dense vegetation on slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	10.40	Rating **	M	Issue No.	133 (cont)	
LM End	10.40	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.093699 °	39.093699 °	
				-121.892553 °	-121.892553 °	
DWR ID	21430					
Comment Code						
Inspector Comment						
DS_ID:21430 FS_ID:24196 EP_NO: 1162 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to verify status of crossing--variation in pipe size. 18 inch pipe listed in desk study and 20 inch pipe found in field. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0482. FIELD_STRUCT_DESC: 2 of 2: 20-inch steel irrigation discharge pipe (not 18-inch, as referenced in the permit) through the levee, 3.7 feet below the crown. Concrete cutoff wall around the pipe at each shoulder. Siphon breaker in a steel pipe riser on the landside (LS) shoulder. Slant pump on a wooden pump structure on the waterside (WS). Corrugated metal pipe (CMP) riser under the pump structure at the WS toe. Distribution box at the LS toe. (Plans for the installation of two 18-inch steel discharge pipes through the levee and a pumping plant in the river authorized under Permit No. 1162, 1946 - Homer and Arthur Andreotti). [Additional Reference(s): DWR Levee Log, 2007. USACE Sacramento O&M Manual 134, June 1953, (Station 824+00)]. FS Date: 10/23/2013						

Photo 3 of 3 : UCIP_FA_2019_24196_42695.jpg



View of landward side--metal risers and concrete distribution box.

LM Start	10.58	Rating **	M	Issue No.	43
LM End	10.60	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.091054 °	39.090849 °
				-121.892694 °	-121.892795 °
DWR ID	DWR_RD0070_02_f_2019_43				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	10.71	Rating **	U	Issue No.	78
LM End	10.71	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Animal Control			39.089312 °	39.089312 °
				-121.893624 °	-121.893624 °
DWR ID	DWR_RD0070_02_s_2019_78				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

View of the rodent burrows on the landside slope and toe. Spring 2019.

LM Start	10.72	Rating **	M	Issue No.	76
LM End	11.02	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.089301 °	39.086578 °
				-121.893635 °	-121.890743 °
DWR ID	DWR_RD0070_02_s _ 2019_76				
Comment Code					
DT : Ditch					
Inspector Comment					

No Photos

LM Start	10.76	Rating **	A	Issue No.	77
LM End	10.76	Issue Type +	Ob	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Seepage / Sandboils			39.088646 °	39.088646 °
				-121.893987 °	-121.893987 °
DWR ID	DWR_RD0070_02_s _ 2019_77				
Comment Code					
Inspector Comment					
RD placed a stake to mark the location of a boil. RD mentioned that the boil is within the ditch. Boil should be monitored during high water.					

A photograph of a dirt road winding through a grassy field under a cloudy sky. A bright orange flag is stuck in the grass in the foreground. In the background, there are mountains and a body of water. The date "04.03.2019" is printed in orange in the bottom right corner.

View of the stake to mark the boil location.

* Location	** Rating	+ Issue Type
LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	A : Acceptable N : Not Inspected/Rated M : Minimally Acceptable C : Corrected U : Unacceptable A/W : Acceptable but Monitor & Maintain	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	10.76	Rating **	A	Issue No.	77 (cont)	
LM End	10.76	Issue Type +	Ob	Location *	LS	
Category	Earthen Levee			GPS Latitude/Longitude		
				Start	End	
Item	Seepage / Sandboils			39.088646 °	39.088646 °	
				-121.893987 °	-121.893987 °	
DWR ID	DWR_RD0070_02_s_2019_77					
Comment Code						
Inspector Comment						
RD placed a stake to mark the location of a boil. RD mentioned that the boil is within the ditch. Boil should be monitored during high water.						

Photo 2 of 2 : FA_2019_RD0070_30_77_20190822_00019.jpg



View of the ditch on the landside and outside of the levee easement.

LM Start	11.16	Rating **	C	Issue No.	73
LM End	11.16	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.085008 °	39.085008 °
				-121.889095 °	-121.889095 °
DWR ID	DWR_RD0070_02_s_2019_73				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

LM Start	11.36	Rating **	C	Issue No.	71
LM End	11.36	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.082434 °	39.082434 °
				-121.887431 °	-121.887431 °
DWR ID	DWR_RD0070_02_s_2019_71				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	11.53	Rating **	C	Issue No.	69
LM End	11.53	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.080629°	39.080629°	
			-121.889152°	-121.889152°	
DWR ID	DWR_RD0070_02_s_2019_69				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

*** Location**
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**
 A : Acceptable N : Not Inspected/Rated
 M : Minimally Acceptable C : Corrected
 U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	11.61	Rating **	M	Issue No.	134
LM End	11.61	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.080517 °	39.080517 °
				-121.890574 °	-121.890574 °
DWR ID	21400				

Comment Code

Inspector Comment

DS_ID:21400
FS_ID:24197
EP_NO: 9986
Repair Type: Non-Urgent
Crossing Status: Indicator Found
UCIP Comments: Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0527.
FIELD_STRUCT_DESC: *ABANDONED* 30-inch steel irrigation discharge pipe through the levee, 27.5 feet below the crown. Two electric gate valves in a concrete pit on the waterside (WS) end, at the end of the discharge pipe. Two slant pumps on the WS slope. Control switches in a corrugated metal shed at the WS shoulder. (Plans for the installation of two inclined turbine pumps, a gate valve, a 50-horsepower pump, and an electrical conduit authorized under Permit No. 5193, 1965 - Meridian Farms Water Company. Retention of a 30-inch steel pipe through the levee, 27.5 feet below the crown, two gate valves, two slant pumps, and a metal building with switch panels authorized under Automatic Board Order (ABO) issued as Permit No. 9986, 1974 - Meridian Farms Water Company. Plans to abolish existing pumping plant and to abandon existing pipeline at RM 125.8 and to construct a new pumping plant at RM 127.0 consisting of two 30-inch intake pipes supported by seven 10-inch by 10-inch H beams, a fish screen, and a 36-inch pipe trenched through the levee, and to place riprap on the slope authorized under Permit No. 18323, 2009 - Meridian Farms Water Company). [Additional Reference(s): DWR Levee Log, 2007. USACE Sacramento O&M Manual 134, June 1953, (Station 889+72)].
FS Date: 10/23/2013

Photo 1 of 3 : UCIP_FA_2019_24197_42699.jpg



View of waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	11.61	Rating **	M	Issue No.	134 (cont)	
LM End	11.61	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.080517 °	39.080517 °	
				-121.890574 °	-121.890574 °	
DWR ID	21400					
Comment Code						
Inspector Comment						
DS_ID:21400 FS_ID:24197 EP_NO: 9986 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0527. FIELD_STRUCT_DESC: *ABANDONED* 30-inch steel irrigation discharge pipe through the levee, 27.5 feet below the crown. Two electric gate valves in a concrete pit on the waterside (WS) end, at the end of the discharge pipe. Two slant pumps on the WS slope. Control switches in a corrugated metal shed at the WS shoulder. (Plans for the installation of two inclined turbine pumps, a gate valve, a 50-horsepower pump, and an electrical conduit authorized under Permit No. 5193, 1965 - Meridian Farms Water Company. Retention of a 30-inch steel pipe through the levee, 27.5 feet below the crown, two gate valves, two slant pumps, and a metal building with switch panels authorized under Automatic Board Order (ABO) issued as Permit No. 9986, 1974 - Meridian Farms Water Company. Plans to abolish existing pumping plant and to abandon existing pipeline at RM 125.8 and to construct a new pumping plant at RM 127.0 consisting of two 30-inch intake pipes supported by seven 10-inch by 10-inch H beams, a fish screen, and a 36-inch pipe trenched through the levee, and to place riprap on the slope authorized under Permit No. 18323, 2009 - Meridian Farms Water Company). [Additional Reference(s): DWR Levee Log, 2007. USACE Sacramento O&M Manual 134, June 1953, (Station 889+72)]. FS Date: 10/23/2013						

Photo 2 of 3 : UCIP_FA_2019_24197_42698.jpg



View of landward slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	11.61	Rating **	M	Issue No.	134 (cont)	
LM End	11.61	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.080517 °	39.080517 °	
				-121.890574 °	-121.890574 °	
DWR ID	21400					
Comment Code						
Inspector Comment						
DS_ID:21400 FS_ID:24197 EP_NO: 9986 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to coordinate with owner to determine status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0527. FIELD_STRUCT_DESC: *ABANDONED* 30-inch steel irrigation discharge pipe through the levee, 27.5 feet below the crown. Two electric gate valves in a concrete pit on the waterside (WS) end, at the end of the discharge pipe. Two slant pumps on the WS slope. Control switches in a corrugated metal shed at the WS shoulder. (Plans for the installation of two inclined turbine pumps, a gate valve, a 50-horsepower pump, and an electrical conduit authorized under Permit No. 5193, 1965 - Meridian Farms Water Company. Retention of a 30-inch steel pipe through the levee, 27.5 feet below the crown, two gate valves, two slant pumps, and a metal building with switch panels authorized under Automatic Board Order (ABO) issued as Permit No. 9986, 1974 - Meridian Farms Water Company. Plans to abolish existing pumping plant and to abandon existing pipeline at RM 125.8 and to construct a new pumping plant at RM 127.0 consisting of two 30-inch intake pipes supported by seven 10-inch by 10-inch H beams, a fish screen, and a 36-inch pipe trenched through the levee, and to place riprap on the slope authorized under Permit No. 18323, 2009 - Meridian Farms Water Company). [Additional Reference(s): DWR Levee Log, 2007. USACE Sacramento O&M Manual 134, June 1953, (Station 889+72)]. FS Date: 10/23/2013						

Photo 3 of 3 : UCIP_FA_2019_24197_42697.jpg



View of concrete slab with pump located on landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	11.63	Rating **	C	Issue No.	68
LM End	11.63	Issue Type +	Ma	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.080468 °	39.080468 °	
			-121.891012 °	-121.891012 °	
DWR ID	DWR_RD0070_02_s_2019_68				
Comment Code					
TR : Tree or limb					
Inspector Comment					

No Photos

LM Start	12.17	Rating **	M	Issue No.	44
LM End	12.17	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		39.074678 °	39.074678 °	
			-121.890099 °	-121.890099 °	
DWR ID	DWR_RD0070_02_f_2019_44				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	12.21	Rating **	A	Issue No.	65
LM End	12.21	Issue Type +	Ob	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Seepage / Sandboils		39.074106 °	39.074106 °	
			-121.889696 °	-121.889696 °	
DWR ID	DWR_RD0070_02_s_2019_65				
Comment Code					
Inspector Comment					
RD placed a stake to mark the location of a boil. RD mentioned that the boil is within the ditch. Continue monitoring the boil during high water.					

Photo 1 of 1 : FA_2019_RD0070_30_65_20190822_00011.jpg



View of the ditch on the landside within the levee easement.

*** Location**
LS : Land Side N/A : Not Applicable
WS : Water Side
CR : Crown

**** Rating**
A : Acceptable N : Not Inspected/Rated
M : Minimally Acceptable C : Corrected
U : Unacceptable A/W : Acceptable but Monitor & Maintain

+ Issue Type
Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	12.24	Rating **	M	Issue No.	67
LM End	12.55	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.073793 °	39.072519 °
				-121.889443 °	-121.884451 °
DWR ID	DWR_RD0070_02_s_2019_67				
Comment Code					
DT : Ditch					
Inspector Comment					

No Photos

LM Start	12.37	Rating **	M	Issue No.	135	
LM End	12.37	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.072540 °	39.072540 °	
				-121.887807 °	-121.887807 °	
DWR ID	21402					
Comment Code						
Inspector Comment						
DS_ID:21402 FS_ID:47033 EP_NO: 9997 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Debris found on waterward side along berm running parallel to levee. Two crossing found--Need to coordinate with owner to determine permit for second crossing and status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0559. FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, 3.5 feet below the crown. Siphon breaker in a corrugated metal pipe (CMP) riser on the landside (LS) shoulder. Pump and control valve on the waterside (WS). Power pole on the WS shoulder. Discharge box at the LS toe. (Retention of a 12-inch steel pipe through the levee, 3.5 feet below the crown, a pump, a control valve, a siphon breaker, and a discharge box authorized under Automatic Board Order (ABO) issued as Permit No. 9997, 1974 - H. and Anne M. Rohleder). [Additional Reference(s): DWR Levee Log, 2007. USACE Sacramento O&M Manual 134, June 1953, (Station 930+22)]. FS Date: 10/23/2013						

Photo 1 of 3 : UCIP_FA_2019_47033_42141.jpg



Crossing appurtenances located near brush and power pole on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	12.37	Rating **	M	Issue No.	135 (cont)	
LM End	12.37	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.072540 °	39.072540 °	
				-121.887807 °	-121.887807 °	
DWR ID	21402					
Comment Code						
Inspector Comment						
DS_ID:21402 FS_ID:47033 EP_NO: 9997 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Debris found on waterward side along berm running parallel to levee. Two crossing found--Need to coordinate with owner to determine permit for second crossing and status of crossing. If crossing is no longer in use owner will need to contact the CVFPB to comply with Title 23. Dense vegetation limits the inspector's visibility to identify signs of pipe failure (leaks) along the waterward slope. Recommend removing vegetation along pipe alignment to conduct proper inspection of structure and appurtenances. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0559. FIELD_STRUCT_DESC: 12-inch steel irrigation discharge pipe through the levee, 3.5 feet below the crown. Siphon breaker in a corrugated metal pipe (CMP) riser on the landside (LS) shoulder. Pump and control valve on the waterside (WS). Power pole on the WS shoulder. Discharge box at the LS toe. (Retention of a 12-inch steel pipe through the levee, 3.5 feet below the crown, a pump, a control valve, a siphon breaker, and a discharge box authorized under Automatic Board Order (ABO) issued as Permit No. 9997, 1974 - H. and Anne M. Rohleder). [Additional Reference(s): DWR Levee Log, 2007. USACE Sacramento O&M Manual 134, June 1953, (Station 930+22)]. FS Date: 10/23/2013						

LM Start	12.37	Rating **	M	Issue No.	135 (cont)
LM End	12.37	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_47033_42139.jpg



Pipe crossing on waterward side. Second pipe comes out approximately 3 feet downstream from this crossing.

Photo 3 of 3 : UCIP_FA_2019_47033_42143.jpg



Pipe section exposed unable to determine if it is still in use.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	12.42	Rating **	M	Issue No.	52
LM End	12.42	Issue Type +	Ma	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Animal Control		39.072455 °	39.072455 °	
			-121.886741 °	-121.886741 °	
DWR ID	DWR_RD0070_02_f_2019_52				
Comment Code					
A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.					
Inspector Comment					

No Photos

LM Start	12.43	Rating **	M	Issue No.	136
LM End	12.43	Issue Type +	En	Location *	
Category	Supplemental		GPS Latitude/Longitude		
			Start	End	
Item	DRAFT DWR UCIP Field Study		39.072480 °	39.072480 °	
			-121.886540 °	-121.886540 °	
DWR ID	24744				
Comment Code					
Inspector Comment					
DS_ID:24744 FS_ID:50086 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/07/2016 Dense vegetation on both slopes. No damage was observed on levee slopes or crown, crossing was downgraded from Urgent to Non-Urgent. No permit found for crossing. Need to recheck during winter. According to Andy Duffey, District Representative, CVFPB has issued a enforcement letter to owner dated 6/23/2016. (DWR UCIP - omagana)10/23/2013 No records were found during initial desk study--need to contact owner to obtain permit number authorizing work. Owner will need to coordinate with DWR Inspector and CVFPB to remove crossing according to Title 23 requirements. (DWR UCIP - omagana) FIELD_STRUCT_DESC: 6-inch aluminum irrigation pipe sleeved through a 10-inch corrugated metal pipe through the levee, 1.5 feet below the crown. Annular space not grouted. Pipe extends down both slopes about 2 feet below the crown. FS Date: 7/7/2016 10:39:00 AM					

Photo 1 of 3 : UCIP_FA_2019_50086_42883.jpg



View of pipe through levee--photo is from USACE PI Draft Report dated 6-2012.

* Location	** Rating	+ Issue Type
LS : Land Side WS : Water Side CR : Crown	A : Acceptable M : Minimally Acceptable U : Unacceptable	Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
N/A : Not Applicable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	12.43	Rating **	M	Issue No.	136 (cont)	
LM End	12.43	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.072480 °	39.072480 °	
				-121.886540 °	-121.886540 °	
DWR ID	24744					
Comment Code						
Inspector Comment						
DS_ID:24744 FS_ID:50086 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: 07/07/2016 Dense vegetation on both slopes. No damage was observed on levee slopes or crown, crossing was downgraded from Urgent to Non-Urgent. No permit found for crossing. Need to recheck during winter. According to Andy Duffey, District Representative, CVFPB has issued a enforcement letter to owner dated 6/23/2016. (DWR UCIP - omagana)10/23/2013 No records were found during initial desk study--need to contact owner to obtain permit number authorizing work. Owner will need to coordinate with DWR Inspector and CVFPB to remove crossing according to Title 23 requirements. (DWR UCIP - omagana) FIELD_STRUCT_DESC: 6-inch aluminum irrigation pipe sleeved through a 10-inch corrugated metal pipe through the levee, 1.5 feet below the crown. Annular space not grouted. Pipe extends down both slopes about 2 feet below the crown. FS Date: 7/7/2016 10:39:00 AM						

LM Start	12.43	Rating **	M	Issue No.	136 (cont)
LM End	12.43	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_50086_42882.jpg



View of pipe through levee--photo is from USACE PI Draft Report dated 6-2012.

Photo 3 of 3 : UCIP_FA_2019_50086_42881.jpg



View of pipe through levee--photo is from USACE PI Draft Report dated 6-2012.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	12.46	Rating **	M	Issue No.	137
LM End	12.46	Issue Type +	En	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	DRAFT DWR UCIP Field Study			39.072512 °	39.072512 °
				-121.886000 °	-121.886000 °
DWR ID	21403				
Comment Code					
Inspector Comment					
DS_ID:21403 FS_ID:23984 EP_NO: 3800 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine if crossing is still active and to determine last inspection date. Will need copy of letter showing crossings passed inspection. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0568. FIELD_STRUCT_DESC: 20-inch coated steel natural gas pipeline through the levee, 3 feet below the crown. Concrete cutoff wall around the pipe at the center of the levee. Marker sign on the waterside (WS) shoulder. Natural gas equipment pad at the landside (LS) toe. (Plans to construct and maintain a 20-inch gas line across the Sacramento River authorized under Permit No. 3800, 1961 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log, 2007]. FS Date: 10/23/2013					

Photo 1 of 3 : UCIP_FA_2019_23984_42172.jpg



Marker located on waterward side.

LM Start	12.46	Rating **	M	Issue No.	137 (cont)
LM End	12.46	Issue Type +	En	Location *	

Photo 2 of 3 : UCIP_FA_2019_23984_42171.jpg



Marker on landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	12.46	Rating **	M	Issue No.	137 (cont)	
LM End	12.46	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.072512 °	39.072512 °	
				-121.886000 °	-121.886000 °	
DWR ID	21403					
Comment Code						
Inspector Comment						
DS_ID:21403 FS_ID:23984 EP_NO: 3800 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Need to contact owner to determine if crossing is still active and to determine last inspection date. Will need copy of letter showing crossings passed inspection. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0568. FIELD_STRUCT_DESC: 20-inch coated steel natural gas pipeline through the levee, 3 feet below the crown. Concrete cutoff wall around the pipe at the center of the levee. Marker sign on the waterside (WS) shoulder. Natural gas equipment pad at the landside (LS) toe. (Plans to construct and maintain a 20-inch gas line across the Sacramento River authorized under Permit No. 3800, 1961 - Pacific Gas and Electric Company [PG&E]). [Additional Reference(s): DWR Levee Log, 2007]. FS Date: 10/23/2013						

Photo 3 of 3 : UCIP_FA_2019_23984_42170.jpg



Additional appurtenances located on landward side.

LM Start	12.49	Rating **	M	Issue No.	64
LM End	12.54	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.072520 °	39.072526 °
				-121.885542 °	-121.884654 °
DWR ID	DWR_RD0070_02_f_2019_64				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	12.93	Rating **	U	Issue No.	66
LM End	13.03	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Slope Stability			39.071323°	39.070900°
				-121.877606°	-121.875728°
DWR ID	DWR_RD0070_02_s_2019_66				
Comment Code					
S1 : Repair slope instability.					
Inspector Comment					
Sloughing on the landside slope occurred during the February 2019 storms. A temporary solution was used to address the issue. Permanent repairs should be completed to stabilize the slope.					

LM Start	12.93	Rating **	U	Issue No.	66 (cont)
LM End	13.03	Issue Type +	Ma	Location *	LS

Photo 1 of 2 : FA_2019_RD0070_30_66_20190822_00012.jpg



View of the sloughing on the landside slope. February 14, 2019.

Photo 2 of 2 : FA_2019_RD0070_30_66_20190822_00013.jpg



View of the temporary solution used to address the sloughing. April 3, 2019.

LM Start	13.29	Rating **	C	Issue No.	55
LM End	13.29	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.068642 °	39.068642 °
				-121.871913 °	-121.871913 °
DWR ID	DWR_RD0070_02_s_2019_55				
Comment Code					
V2 : Remove the wild growth other than native grasses from the levee slopes.					
Inspector Comment					
The berry vines should be removed from the landside slope and toe.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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Reclamation District No. 0070 Meridian

No Photos

No Photos

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	13.82	Rating **	M	Issue No.	138	
LM End	13.82	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.068270 °	39.068270 °	
				-121.862909 °	-121.862909 °	
DWR ID	21407					
Comment Code						
Inspector Comment						
DS_ID:21407 FS_ID:47039 EP_NO: 9995 Repair Type: Non-Urgent Crossing Status: Indicator Found UCIP Comments: Records show a 24-inch iron pipe through the waterward side along the old gaging station with the concrete struture located on the waterward slope. FIELD_STRUCT_DESC: [Reclamation District No. 70 (RD0070) Drainage Plant] 1 of 5: 30-inch steel drainage discharge pipe through the levee at low elevation. Pipe is concrete encased under the crown, between the shoulders. Slide gate on the landside (LS). Flap gate in a secured structure on the waterside (WS) end. (Retention of a 30-inch steel drainage pipe through the levee, at low elevation, a slide gate, and a flap gate authorized under Automatic Board Order (ABO) issued as Permit No. 9995, 1974 - RD0070. Plans to construct a 10-foot by 12-foot by 19-foot concrete outlet structure on existing outlet pipes, to repair leaking pipes, to repair existing pumping plant, and to install sheet piling at the inlet ditch to allow continued operation of the pumping plant by the district authorized under Permit No. 13420, 1982 - RD0070). [Additional Reference(s): DWR Levee Log, 2007. USACE Sacramento O&M Manual 134, June 1953, (Station 1007+10), referenced pipes at this location are 48 inches, 40 inches, and 50 inches]. FS Date: 10/23/2013						

Photo 1 of 1 : UCIP_FA_2019_47039_42800.jpg



Remains of old gaging station associated with 24-inch iron pipe that extends into the river.

LM Start	13.82	Rating **	A/W	Issue No.	72
LM End	13.82	Issue Type +	Ma	Location *	WS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Erosion / Bank Caving			39.068370 °	39.068370 °
				-121.862763 °	-121.862763 °
DWR ID	DWR_RD0070_02_s_2017_72				
Comment Code					
E2 : Schedule repair of erosion site prior to the next inspection.					
Inspector Comment					
Repair the erosion along the waterside slope.					

Photo 1 of 1 : FA_2019_RD0070_30_72_20190822_00014.jpg



View of the erosion along the waterside slope.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	13.83	Rating **	A/W	Issue No.	75
LM End	13.83	Issue Type +	Ma	Location *	
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 Storm Damage			39.068190 °	39.068190 °
				-121.862700 °	-121.862700 °
DWR ID	RD 70-01				
Comment Code					
Inspector Comment					
Levee Evaluation Comments					
Description:					
Site ID No:152					
Site Designation:RD 70-01					
Repair Type: Erosion					
Rating:Area of Concern					
Field Date:7/17/2017					
Notes: bank slope erosion around a drainage pipe/box					

LM Start	13.83	Rating **	A/W	Issue No.	75 (cont)
LM End	13.83	Issue Type +	Ma	Location *	

Photo 1 of 3 : LEVAL_FA_2019_152_1717.jpg



Photo 2 of 3 : LEVAL_FA_2019_152_1728.jpg



*** Location**
 LS : Land Side N/A : Not Applicable
 WS : Water Side
 CR : Crown

**** Rating**
 A : Acceptable
 M : Minimally Acceptable
 U : Unacceptable
 N : Not Inspected/Rated
 C : Corrected
 A/W : Acceptable but Monitor & Maintain

+ Issue Type
 Ma : Maintenance Deficiency
 Ob : Design & System Obsolescence
 En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	13.83	Rating **	A/W	Issue No.	75 (cont)	
LM End	13.83	Issue Type +	Ma	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	2017 Storm Damage			39.068190°	39.068190°	
				-121.862700°	-121.862700°	
DWR ID	RD 70-01					
Comment Code						
Inspector Comment						
Levee Evaluation Comments						
Description:						
Site ID No:152						
Site Designation:RD 70-01						
Repair Type: Erosion						
Rating:Area of Concern						
Field Date:7/17/2017						
Notes: bank slope erosion around a drainage pipe/box						

Photo 3 of 3 : LEVAL_FA_2019_152_1730.jpg



LM Start	13.95	Rating **	M	Issue No.	94
LM End	14.14	Issue Type +	Ma	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Vegetation			39.068692°	39.069846°
				-121.860561°	-121.857260°
DWR ID	DWR_RD0070_02_f_2019_94				
Comment Code					
V1 : Control annual grass and weeds on the levee slopes and easements.					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	13.96	Rating **	M	Issue No.	48
LM End	14.38	Issue Type +	En	Location *	LS
Category	Earthen Levee			GPS Latitude/Longitude	
				Start	End
Item	Encroachments			39.068777 °	39.071666 °
				-121.860308 °	-121.853476 °
DWR ID	DWR_RD0070_02_s_2019_48				
Comment Code					
DT : Ditch					
Inspector Comment					

No Photos

LM Start	14.08	Rating **	A/W	Issue No.	81
LM End	14.21	Issue Type +	Ma	Location *	WS
Category	Supplemental			GPS Latitude/Longitude	
				Start	End
Item	2017 USACE Erosion Survey			39.069166°	39.070105°
				-121.857995°	-121.855929°
DWR ID	DWR_RD0070_02_f_2018_81				
Comment Code					
Inspector Comment					
2017 Site ID: SAC 123.3 L					
Status: Eroding					
2017 Field Notes: minor new erosion. additional tree popout.					
Site History: 2006 - Erosion into the levee toe. Rock at upstream end					
has poor transition causing eddy scour. 2010 - Minor new erosion.					
2011 - Some fresh erosion. 2012 - Additional slumping on the					
previously slumped bank, site extended downstream.					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	14.51	Rating **	M	Issue No.	46
LM End	14.51	Issue Type +	En	Location *	LS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Vegetation		39.072224 °	39.072224 °	
			-121.851123 °	-121.851123 °	
DWR ID	DWR_RD0070_02_s _ 2019_46				
Comment Code					
V6 : Landscaping					
Inspector Comment					
The trees on the landside slope should be trimmed.					

No Photos

LM Start	14.59	Rating **	M	Issue No.	45
LM End	14.70	Issue Type +	En	Location *	WS
Category	Earthen Levee		GPS Latitude/Longitude		
			Start	End	
Item	Encroachments		39.072166 °	39.071421 °	
			-121.849686 °	-121.847906 °	
DWR ID	DWR_RD0070_02_s _ 2019_45				
Comment Code					
DT : Ditch					
Inspector Comment					

No Photos

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	15.33	Rating **	M	Issue No.	139	
LM End	15.33	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.065303 °	39.065303 °	
				-121.839230 °	-121.839230 °	
DWR ID	21421					
Comment Code						
Inspector Comment						
DS_ID:21421 FS_ID:24229 EP_NO: 9990 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine if crossings are still being used. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0685. FIELD_STRUCT_DESC: 1 of 2: 24-inch steel irrigation discharge pipe sleeved through a 30-inch coated steel pipe through the levee, 24 feet below the crown. Gate valve on the waterside (WS) end. Concrete headwall with a flap gate on the landside (LS). Pump on a pile structure in the stream. Wooden walkway to the pump. (Retention of two 24-inch steel pipes through the levee, 24 feet below the crown, two pumps, and two gate valves authorized under Automatic Board Order (ABO) issued as Permit No. 9990, 1974 - Newhall Land and Farming Company). [Additional Reference(s): DWR Levee Log, 2007. USACE Sacramento O&M Manual 134, June 1953, (Station 1086+55)]. FS Date: 10/23/2013						

LM Start	15.33	Rating **	M	Issue No.	139 (cont)
LM End	15.33	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_24229_42848.jpg



Walkway and pump house on waterward side.

Photo 2 of 3 : UCIP_FA_2019_24229_42849.jpg



Pump house located on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	15.33	Rating **	M	Issue No.	139 (cont)	
LM End	15.33	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.065303 °	39.065303 °	
				-121.839230 °	-121.839230 °	
DWR ID	21421					
Comment Code						
Inspector Comment						
DS_ID:21421						
FS_ID:24229						
EP_NO: 9990						
Repair Type: Non-Urgent						
Crossing Status: Found						
UCIP Comments: Need to determine if crossings are still being used.						
This crossing is referenced in the USACE Periodic Inspection as item						
USACE_CESPK_MRD2_2012_p_0685.						
FIELD_STRUCT_DESC: 1 of 2: 24-inch steel irrigation discharge pipe						
sleeved through a 30-inch coated steel pipe through the levee, 24 feet						
below the crown. Gate valve on the waterside (WS) end. Concrete						
headwall with a flap gate on the landside (LS). Pump on a pile structure						
in the stream. Wooden walkway to the pump. (Retention of two 24-inch						
steel pipes through the levee, 24 feet below the crown, two pumps, and						
two gate valves authorized under Automatic Board Order (ABO) issued						
as Permit No. 9990, 1974 - Newhall Land and Farming Company).						
[Additional Reference(s): DWR Levee Log, 2007. USACE Sacramento						
O&M Manual 134, June 1953, (Station 1086+55)].						
FS Date: 10/23/2013						

Photo 3 of 3 : UCIP_FA_2019_24229_42853.jpg



Overview of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	15.34	Rating **	M	Issue No.	140	
LM End	15.34	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.065294 °	39.065294 °	
				-121.839215 °	-121.839215 °	
DWR ID	21409					
Comment Code						
Inspector Comment						
DS_ID:21409 FS_ID:24230 EP_NO: 9990 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine if crossing is still being used. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0685. FIELD_STRUCT_DESC: 2 of 2: 24-inch steel irrigation discharge pipe sleeved through a 30-inch coated steel pipe through the levee, 24 feet below the crown. Gate valve on the waterside (WS) end. Concrete headwall with a flap gate on the landside (LS). Pump on a pile structure in the stream. Wooden walkway to the pump. (Retention of two 24-inch steel pipes through the levee, 24 feet below the crown, two pumps, and two gate valves authorized under Automatic Board Order (ABO) issued as Permit No. 9990, 1974 - Newhall Land and Farming Company). [Additional Reference(s): DWR Levee Log, 2007. USACE Sacramento O&M Manual 134, June 1953, (Station 1086+55)]. FS Date: 10/23/2013						

LM Start	15.34	Rating **	M	Issue No.	140 (cont)
LM End	15.34	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_24230_42854.jpg



Walkway and Pump house located on waterward side.

Photo 2 of 3 : UCIP_FA_2019_24230_42855.jpg



Pump located on waterward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	15.34	Rating **	M	Issue No.	140 (cont)	
LM End	15.34	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.065294 °	39.065294 °	
				-121.839215 °	-121.839215 °	
DWR ID	21409					
Comment Code						
Inspector Comment						
DS_ID:21409 FS_ID:24230 EP_NO: 9990 Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: Need to determine if crossing is still being used. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0685. FIELD_STRUCT_DESC: 2 of 2: 24-inch steel irrigation discharge pipe sleeved through a 30-inch coated steel pipe through the levee, 24 feet below the crown. Gate valve on the waterside (WS) end. Concrete headwall with a flap gate on the landside (LS). Pump on a pile structure in the stream. Wooden walkway to the pump. (Retention of two 24-inch steel pipes through the levee, 24 feet below the crown, two pumps, and two gate valves authorized under Automatic Board Order (ABO) issued as Permit No. 9990, 1974 - Newhall Land and Farming Company). [Additional Reference(s): DWR Levee Log, 2007. USACE Sacramento O&M Manual 134, June 1953, (Station 1086+55)]. FS Date: 10/23/2013						

Photo 3 of 3 : UCIP_FA_2019_24230_42858.jpg



Overview of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	15.34	Rating **	M	Issue No.	141	
LM End	15.34	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.065285 °	39.065285 °	
				-121.839202 °	-121.839202 °	
DWR ID	21420					
Comment Code						
Inspector Comment						
DS_ID:21420 FS_ID:24231 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No daylight visible on landward side. Pipe was visible on waterward side. Need to contact owner to determine status of crossing. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0685. FIELD_STRUCT_DESC: 16-inch steel irrigation discharge pipe through the levee, approximately 15 feet below the crown. Gate valves on the waterside (WS) end. Pumps on the WS. [Additional Reference(s): USACE Sacramento O&M Manual 134, June 1953, (Station 1086+55)]. FS Date: 10/23/2013						

LM Start	15.34	Rating **	M	Issue No.	141 (cont)
LM End	15.34	Issue Type +	En	Location *	

Photo 1 of 3 : UCIP_FA_2019_24231_42859.jpg



Walkway and structure located on waterward side.

Photo 2 of 3 : UCIP_FA_2019_24231_42863.jpg



View of landward side.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2019

Reclamation District No. 0070 Meridian

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Sacramento River	Left	15.50	10/10/2019 10/10/2019	Makar Sokol

LM Start	15.34	Rating **	M	Issue No.	141 (cont)	
LM End	15.34	Issue Type +	En	Location *		
Category	Supplemental			GPS Latitude/Longitude		
				Start	End	
Item	DRAFT DWR UCIP Field Study			39.065285 °	39.065285 °	
				-121.839202 °	-121.839202 °	
DWR ID	21420					
Comment Code						
Inspector Comment						
DS_ID:21420 FS_ID:24231 EP_NO: N/A Repair Type: Non-Urgent Crossing Status: Found UCIP Comments: No daylight visible on landward side. Pipe was visible on waterward side. Need to contact owner to determine status of crossing. This crossing is referenced in the USACE Periodic Inspection as item USACE_CESPK_MRD2_2012_p_0685. FIELD_STRUCT_DESC: 16-inch steel irrigation discharge pipe through the levee, approximately 15 feet below the crown. Gate valves on the waterside (WS) end. Pumps on the WS. [Additional Reference(s): USACE Sacramento O&M Manual 134, June 1953, (Station 1086+55)]. FS Date: 10/23/2013						

Photo 3 of 3 : UCIP_FA_2019_24231_42860.jpg



View of landward side photo taken from concrete headwall.

* Location LS : Land Side N/A : Not Applicable WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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